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1 UNITED STATES DISTRICT COURT
2 SOUTHERN DISTRICT OF NEW YORK

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3 FEDERAL TRADE COMMISSION,
4 STATE OF NEW YORK, STATE OF
5 CALIFORNIA, STATE OF OHIO,
6 COMMONWEALTH OF PENNSYLVANIA,
7 STATE OF ILLINOIS, STATE OF
8 NORTH CAROLINA, and
9 COMMONWEALTH OF VIRGINIA,

Plaintiffs,

v.

20 CV 706 (DLC)

MARTIN SHKRELI, et al.,

Defendants.

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New York, N.Y.
December 14, 2021
9:30 a.m.

Before:

HON. DENISE COTE,

District Judge

APPEARANCES

FEDERAL TRADE COMMISSION

BY: MARKUS H. MEIER
MARIN HANEBERG
BRADLEY S. ALBERT
LAUREN PEAY
NEAL PERLMAN
LEAH HUBINGER

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BY: CHRISTOPHER H. CASEY
JEFFREY S. POLLACK
ANDREW J. RUDOWITZ
SARAH FEHM STEWART
SEAN McCONNELL
J. MANLY PARKS

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2 (Case called)

3 MR. MEIER: I am Markus Meier on behalf of the Federal
4 Trade Commission.

5 MS. HOFFMAN: Elinor Hoffman on behalf of New York
6 State and the state plaintiffs.

7 MR. ALBERT: Brad Albert on behalf of the Federal
8 Trade Commission.

9 MR. PERLMAN: Neal Perlman on behalf of the Federal
10 Trade Commission. With me is our paralegal, Stephanie Guy.

11 MR. CASEY: Good morning, your Honor, Christopher
12 Casey with the law firm of Duane Morris on behalf of the
13 defendant, Martin Shkreli.

14 MR. POLLACK: Good morning, your Honor, Jeff Pollack,
15 the law firm of Duane Morris, on behalf of the defendant,
16 Martin Shkreli.

17 MR. RUDOWITZ: Good morning, your Honor, A.J. Rudowitz
18 from the law firm of Duane Morris on behalf of Martin Shkreli.

19 MS. STEWART: Good morning, your Honor, Sarah Fehm
20 Stewart from the law firm of Duane Morris for the defendant
21 Martin Shkreli.

22 MR. PARKS: Good morning, Manley Parks on behalf of
23 the defendant Martin Shkreli.

24 MR. FIELDS: Good morning, your Honor, Justin Fields
25 on behalf of defendant Martin Shkreli.

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1 THE COURT: Mr. Fields, are you with Duane Morris as
2 well?

3 MR. FIELDS: I am.

4 THE COURT: Thank you so much.

5 Welcome, everyone. Excuse me just one second.

6 MR. POLLACK: Your Honor.

7 THE COURT: Excuse me just one second.

8 Sorry, counsel. This is Mr. Pollack?

9 MR. POLLACK: That's right, your Honor. Just a point
10 of clarification so there is no confusion. Mr. Fields is our
11 trial technician. He's not an attorney. But he is with our
12 firm.

13 THE COURT: Thank you so much. I appreciate that.

14 Let me just welcome everyone as we begin this trial,
15 which is obviously very important to the government plaintiffs
16 and very important to the defendant and, of course, to the
17 public because it involves the enforcement of our antitrust
18 laws. I want to thank everyone for working so hard to be well
19 prepared for today's trial.

20 I want to remind everyone of our protocol because of
21 the COVID pandemic. This courtroom has been tested. Its
22 ventilation systems have been tested. There is a complete air
23 exchange every ten minutes, if not more frequently.

24 Everyone must wear a mask at all times with the
25 following exceptions: When I'm speaking I do not need to wear

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1 a mask. When an attorney is examining from the podium, the
2 attorney does not need to wear a mask. When the witness is
3 seated in the witness seat, they do not need to wear a mask.

4 I am going to ask everyone in the well of the
5 courtroom to make sure that my law clerks or Mr. Whertvine are
6 notified of your vaccination status. I won't be putting that
7 on the public record, but we want to know whether anyone in the
8 well of the courtroom is not fully vaccinated.

9 Those seated either in the jury box or outside in the
10 gallery of the courtroom must be seated six feet apart if you
11 are not fully vaccinated, and three feet apart from another
12 person if you are.

13 So those are the rules we will follow.

14 We are keeping time at this trial. I'm keeping time
15 unless the parties have agreed on a different neutral
16 timekeeper.

17 Mr. Meier, have the parties agreed on a different
18 neutral timekeeper?

19 MR. MEIER: No, your Honor. We are fine with your
20 Honor taking on that task. Thank you very much.

21 THE COURT: Thank you.

22 I am going to ask my law clerks to back me up, so you
23 will have more protective hands on this task than just mine.
24 At the end of each day I will try to give you notice of where
25 we stand.

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1 I was going to begin today by dealing with the
2 remaining two requests for sealing of documents or the
3 courtroom by third parties. Let me turn first to RL Fine. I
4 don't have a direct application from RL Fine. Instead, I had a
5 notification from defense counsel of December 6, which attached
6 an e-mail, and that e-mail from RL Fine refers to extreme
7 confidentiality. That's not sufficient for me to understand
8 what its risks are here.

9 I made a number of findings yesterday that declined to
10 seal or redact documents in which various parties were
11 communicating with RL Fine. So unless the parties have some
12 particular issue to bring to my attention with respect to RL
13 Fine, I do not have a basis from which to order the sealing of
14 any exhibit, in whole or in part, or the closure of any
15 courtroom in connection with RL Fine testimony.

16 Not hearing anything from counsel, I turn to the last
17 remaining application. It is from a third party, Medisca, and
18 counsel for Medisca provided me a written description of its
19 request on December 6.

20 It is a company, as I understand it, that supplied
21 compounding pharmacies with the API of interest here and also
22 was the source of the pyrimethamine that was used in a clinical
23 trial conducted by a physician. Counsel did not appear
24 yesterday to further explain this request and the principal
25 point of the request is, as I understand it, that Medisca does

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1 not want its source for the API to be publicly disclosed.
2 Depending on what that source is and to be consistent with the
3 rulings I made yesterday, the source will not be publicly
4 disclosed unless it was one of two companies.

5 So, Mr. Meier, was the source one of two companies
6 that will be publicly disclosed on this record, as far as you
7 know?

8 MR. MEIER: I actually do not know that, your Honor.

9 THE COURT: I'll let counsel figure this out during a
10 break and further advise me.

11 I take it this morning there will be no evidence
12 offered with respect to the Medisca issues. Am I right,
13 Mr. Meier?

14 MR. MEIER: I do not believe that the Medisca issues
15 will come up today, your Honor.

16 THE COURT: Am I right, Mr. Casey?

17 MR. CASEY: That's my understanding, your Honor.

18 THE COURT: Thank you.

19 Mr. Meier, do the plaintiffs wish to offer an opening
20 statement?

21 MR. MEIER: Your Honor, if I may, we do have a couple
22 of administrative matters that we would like to take up, if
23 that's possible.

24 THE COURT: Certainly.

25 MR. MEIER: We will not be doing an opening statement.

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1 THE COURT: Yes.

2 MR. MEIER: Your Honor, we have an agreement with
3 defendants on a first list of exhibits to be admitted. We had
4 exchanged these back and forth with the defendants over the
5 last weekend, last couple of days. I'd like to move in what we
6 labeled as Government Exhibit 9001, which is a first tranche of
7 exhibits to be admitted.

8 THE COURT: Do you have a copy of that document?

9 MR. MEIER: Yes, I do, your Honor.

10 THE COURT: If you could hand it to my law clerk,
11 please.

12 MR. MEIER: Thank you, your Honor.

13 THE COURT: Counsel, where it's convenient, and this
14 wouldn't be true for bulky exhibits, but where it's convenient,
15 if you could hand up at least two copies of the document, one
16 for me and, if possible, even three copies. I have two law
17 clerks with me at this trial. Thank you so much.

18 Is there any objection to the admission of Government
19 Exhibit 9001 and the documents listed on it?

20 MR. RUDOWITZ: Your Honor, we have no objection
21 pursuant to the Court's guidance on the admission of GX-9001
22 and the exhibits therein.

23 THE COURT: 9001 and the exhibits listed therein are
24 received.

25 (Government Exhibit 9001 received in evidence)

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1 THE COURT: Next.

2 MR. MEIER: The next item, your Honor, is we have the
3 deposition designations of a witness named Courtney Johnson
4 from Cardinal. It's marked as Government Exhibit 9051. I have
5 two copies to hand up and one for the defendants. Again, we
6 have discussed this over the course of the last few days, and I
7 believe this comes in without objection. I'll let the
8 defendants speak for themselves.

9 We will bring three copies in the future for the
10 Court. Sorry, your Honor.

11 THE COURT: Thank you so much.

12 This is a document describing actually the deposition
13 of Patel.

14 MR. MEIER: I'm sorry. My file got mixed up. I
15 apologize, your Honor. Let me start that over again.

16 THE COURT: I now have another document, GX-9051,
17 which describes the deposition offer for Courtney Johnson of
18 Cardinal.

19 How does 9051 relate to what was given to me in the
20 white binders?

21 MR. MEIER: Your Honor, what we did is, with respect
22 to Ms. Johnson, there are no changes, as I understand it. When
23 I give you the one for Mr. Patel, we will tell you exactly
24 what's the difference on the first page. So with Ms. Johnson
25 there are no differences.

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1 Your Honor, by the way, this is also the designations
2 from both defendants and plaintiffs.

3 THE COURT: The agreement between the parties is one
4 party's designations are in yellow and another in blue. Who is
5 in yellow?

6 MR. MEIER: There is a key, a legend at the top of
7 each page. The yellow is the FTC's designations, the orangish
8 color is the FTC's counter designations, the bluish and the
9 greenish colors are defendant's designations, and defendant's
10 counters, and there is a legend at the bottom of each page.

11 THE COURT: Very helpful. So well organized. Thank
12 you very much. Great assistance to the Court.

13 Of course, with the original offer of deposition
14 excerpts, I had the summary pages, one for the plaintiffs and
15 one for the defendant, and those same pages apply.

16 MR. MEIER: Yes, your Honor. Going forward, should we
17 submit those also?

18 THE COURT: No need. If I have them, I know where
19 they are. Thank you.

20 Any objection to the receipt of Exhibit 9051?

21 MR. POLLACK: No, your Honor. We consent to the
22 admission of both parties' designations.

23 THE COURT: That's Mr. Pollack?

24 MR. POLLACK: I apologize, your Honor. Yes. Jeff
25 Pollack.

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1 THE COURT: 9051 is received.

2 (Government Exhibit 9051 received in evidence)

3 MR. MEIER: The next one we have, your Honor, I'm
4 sorry I got them out of order, is 9050, Government Exhibit. It
5 is the deposition designations revised for witness named Ravi
6 Patel from a company called Espee. This one does have some
7 changes from the original and it is described on the cover. I
8 can come up.

9 THE COURT: Any objection to the receipt of Exhibit
10 9050?

11 MR. POLLACK: No objection to both sides' designations
12 coming in as highlighted, your Honor.

13 THE COURT: That's Mr. Pollack speaking?

14 MR. POLLACK: Yes. I will get that right eventually,
15 your Honor.

16 THE COURT: Again, this is very clearly explained on
17 the front page, the difference with the original offer and what
18 is now being actually offered at trial, and Exhibit 9050 is
19 received.

20 (Government Exhibit 9050 received in evidence)

21 MR. MEIER: The last one, your Honor, is also
22 deposition designations that have been revised. It's the
23 deposition of Jacob Mathew. Mr. Mathew is with the company RL
24 Fine. The exhibit number is Government Exhibit 9052.

25 With this one, your Honor, we do have a dispute with

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1 the defendants, and we were hoping that we could get guidance
2 from the Court this morning.

3 That will be handled by my colleague, Mr. Perlman.
4 Mr. Perlman has additional copies of the exhibit.

5 MR. PERLMAN: Good morning, your Honor. May I
6 approach to pass up these copies of the exhibit?

7 THE COURT: Yes.

8 I am going to interrupt. Mr. Meier, you weren't here
9 yesterday afternoon for the entirety. I wanted to tell you
10 your colleague handled the issues admirably.

11 MR. MEIER: Thank you very much. Appreciate that.

12 MR. PERLMAN: Your Honor, I have tabbed he these three
13 copies of the transcripts where the disputes lie.

14 THE COURT: You can move to the podium. That's an
15 option for counsel, all counsel. Feel free if it's more
16 convenient for you. Either that, or really keep your voice up.

17 Mr. Perlman.

18 MR. PERLMAN: Good morning, your Honor. Again, this
19 is Neal Perlman for the FTC. Both plaintiffs and defendants
20 are seeking to admit portions of the deposition transcript of
21 Mr. Mathew.

22 As my colleague, Mr. Meier, said, Mr. Mathew is the
23 chairman of RL Fine, which is, as your Honor knows, one of the
24 API suppliers at issue in this case. The plaintiffs and
25 defendants took this deposition pursuant to the Hague

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1 Convention.

2 The plaintiffs at this point maintain objections to
3 two different passages of the transcript, which I have tabbed.
4 The first one is on page 8 at the very top. It's question 13.
5 And the next, which is related, is at the top of page 12.

6 The issue here, your Honor, is that defendants are
7 seeking to admit Mr. Matthews' testimony, that it is easy to
8 make pyrimethamine API and for that reason there must be 20,
9 15, 10 other API suppliers in India that can make pyrimethamine
10 API.

11 But in his answers to those questions, he disclaims
12 any foundation for being able to provide that information. For
13 example, if we turn to the question on the top of page 8,
14 that's, again, question 13. The local commissioner in India
15 asks whether there are any other companies that have the
16 ability to make pyrimethamine API and Mr. Mathew says that he
17 thinks it's seventh grade chemistry, but says he's not a
18 technical person.

19 And there is a similar exchange at the top of page 12
20 between plaintiff's local counsel, Nishant Joshi and
21 Mr. Mathew. Mr. Joshi asked what the basis was for
22 Mr. Matthews' assertion that it was an easy product to make and
23 there were many companies that could make pyrimethamine API.
24 Again, Mr. Matthews says, I'm not a chemical industry person.
25 I'm a financial services person. There must be ten or 15

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1 different companies.

2 We respectfully submit that Mr. Matthews doesn't have
3 the foundation to provide these answers, and there is nowhere
4 else in this transcript where he does mention any foundation
5 for these statements.

6 THE COURT: Mr. Casey.

7 I'm sorry, Mr. Pollack.

8 MR. POLLACK: No problem. You didn't know that I
9 would be the one speaking, your Honor.

10 Your Honor, to begin, this is the first time
11 plaintiffs are raising an issue with number 13 on page 8. In
12 my correspondence with plaintiff's counsel from the last
13 several days, the only issue raised had to do with page 12.
14 But I'll address page 8 as well since it's being raised today.

15 The question was, are there other companies that have
16 the ability or --

17 THE COURT: Sir, whenever -- counsel, this applies to
18 everyone. When anyone is reading from a document, they must
19 slow down and speak up if they would like the court reporter to
20 be able to capture what you are saying.

21 MR. POLLACK: Thank you for that good advice, your
22 Honor.

23 THE COURT: Thank you.

24 MR. POLLACK: Number 13. Are there other companies
25 that have the ability or you believe have the potential to

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1 develop ability to manufacture pyrimethamine API. The
2 objection lodged is that of speculation. The question is
3 asking, what does the witness know? He provides a response.

4 My argument would be the same thing for the testimony
5 at page 12. Any idea what was the source of that information.
6 In other words, what do you know. And he gives a response.

7 So the form of the question is proper and the response
8 is given. There should be no objection to that testimony.

9 THE COURT: The objection is sustained. The testimony
10 is stricken.

11 Next.

12 MR. MEIER: That is all the administrative matters
13 that the FTC has, your Honor. We would be prepared to call the
14 first witness, unless the defendants have anything they need to
15 raise.

16 THE COURT: You may call your first witness.

17 MR. MEIER: Thank you, your Honor.

18 The government calls as its first witness
19 Dr. Pelliccione. I will be doing the examination, your Honor.

20 THE COURT: Dr. Pelliccione, if you could please come
21 up here and take the witness stand. If you would remain
22 standing, please.

23 NICHOLAS PELLICCIONE,

24 called as a witness by the Plaintiffs,

25 having been duly sworn, testified as follows:

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1 THE COURT: Counsel.

2 MR. MEIER: Thank you, your Honor.

3 Just a quick administrative question. When a counsel
4 is up here at the lecturn, am I permitted to go back to the
5 counsel table if I need to without always asking for
6 permission? I hope not to have it happen very often.

7 THE COURT: You don't need to ask permission to move
8 around the courtroom, including to show a document to the
9 witness. We are going to try to keep the record as spare as
10 possible. I am afraid you are going to have to put your mask
11 back on.

12 MR. MEIER: Correct. Thank you, your Honor.

13 Dr. Pelliccione is a witness for whom defendants have
14 submitted an affidavit or a declaration, so I think Mr. Casey
15 has copies?

16 MR. CASEY: Yes, your Honor. May I approach the
17 witness?

18 THE COURT: Certainly.

19 If you could, Mr. Casey, identify the exhibit number
20 that you are giving the witness so the record is clear.

21 MR. CASEY: Yes, your Honor. The exhibit number is
22 DX539.

23 THE COURT: Thank you.

24 MR. CASEY: Dr. Pelliccione, I'm showing you what's
25 been marked as DX539. Did you have a chance to look at DX-539,

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1 Dr. Pelliccione?

2 THE WITNESS: I have looked at it previously, yes.

3 MR. CASEY: You recognize it?

4 THE WITNESS: Yes, I do.

5 MR. CASEY: What is DX-539?

6 THE WITNESS: It's the trial testimony that I
7 provided.

8 MR. CASEY: Your Honor, pursuant to the Court's
9 procedures, I understood that the Court would like to ask
10 questions of the witness at this time.

11 THE COURT: Thank you very much.

12 Dr. Pelliccione, if we go to the last page of the
13 document, page 11, did you authorize the attachment of your
14 signature at that page?

15 THE WITNESS: Yes, I did, your Honor.

16 THE COURT: Did you do that after you had read the
17 entire exhibit with care?

18 THE WITNESS: Yes, I did.

19 THE COURT: Do you swear to the truth of its contents?

20 THE WITNESS: Yes, I do.

21 THE COURT: Thank you.

22 Any objection to the receipt of DX-539?

23 MR. MEIER: Yes, your Honor. The government has two
24 objections to DX-539 that we had raised previously with the
25 defendants.

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1 The first one, your Honor, would be paragraph 24 at
2 page 6. If I may read, for the record, the part that we object
3 to, your Honor. This is paragraph 24 which starts on page 5.
4 But the portion we object to carries over into page 6. It
5 begins with the sentence, at the time we entered into the
6 supply. It's the second line at the top of page 6, your Honor.
7 It says: At the time we entered into the supply agreement and
8 now, I understood that it is common for companies to include
9 exclusivity as a standard term in an API supply agreement.

10 I want to read the next paragraph that we also have an
11 objection to because the objection is the same for both
12 paragraphs.

13 The next one is paragraph 25, the very next paragraph,
14 your Honor. It's also on page 6. It's the clause that starts
15 in the middle of that paragraph that begins with: Again, I
16 understand. So it says, your Honor: Again, I understand that
17 such provisions are common in API supply agreements.

18 We believe the sentence that I read in paragraph 24
19 and the clause that I read in paragraph 25 should be stricken.

20 The reason, your Honor, is both are examples of
21 improper lay opinion testimony in violation of Federal Rule of
22 Evidence 701. There is no foundation that Mr. Pelliccione
23 knows what is common for companies in the pharmaceutical
24 industry. He hasn't conducted a survey, nor does he cite to
25 any authoritative source. And we believe this testimony is

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1 precisely of the type of technical or other specialized
2 knowledge within the scope of Rule 702 and thus requires expert
3 testimony, not lay opinion testimony, your Honor.

4 THE COURT: Mr. Casey.

5 MR. CASEY: Yes, your Honor. Thank you. Christopher
6 Casey on behalf of Mr. Shkreli.

7 Your Honor, these statements that the plaintiffs have
8 objected to simply reflect the witness' understanding based on
9 his long experience in the pharmaceutical industry. As his
10 affidavit indicates, he spent 35 years in this industry.

11 And the Court I'm sure is well familiar with the
12 standards under Rule 701. The standards are that the opinion
13 be rationally based on the witness' perception. These
14 statements are indeed rationally based on Dr. Pelliccione's
15 perception based on his knowledge in the industry.

16 Second, helpful clearly understanding the witness'
17 testimony or determining a fact at issue. This is, we would
18 submit, very helpful to the Court in determining whether these
19 types of provisions are common in the industry.

20 Third, that it is not based on scientific technical or
21 other specialized knowledge within the scope of Rule 702.

22 I would commend to the Court on that part of the test
23 several cases from the Second Circuit. The first is *United*
24 *States v. Dawkins*. That's at 999 F.3d 767 (2d Cir. 2021), at
25 page 793 of that opinion. The Second Circuit affirmed the

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Pelliccione - Direct

1 district court's decision to allow witnesses who are part of a
2 conversation regarding the industry of college basketball to
3 testify about their understanding of jargon used during a
4 conversation, and the Court pointed to the witness' long
5 experience in the industry as being a significant factor.

6 I'd also point the Court to two other Second Circuit
7 cases: *United States v. Rigas*, 490 F.3d 208 at page 224 (2d
8 Cir. 2007); *United States v. Yannotti*, 541 F.3d 112, 125-126
9 (2d Cir. 2008). This kind of a statement, his understanding of
10 what is common in the industry, does not depend on his
11 knowledge of any specialized scientific training. It is rather
12 a product of his long experience in the industry. We submit,
13 your Honor, that this is proper lay testimony.

14 THE COURT: Objection is overruled. The testimony
15 will be received.

16 Examination.

17 MR. MEIER: Thank you, your Honor.

18 DIRECT EXAMINATION

19 BY MR. MEIER:

20 Q. Good morning. Dr. Pelliccione.

21 A. Good morning.

22 Q. I believe you have already introduced yourself, but could
23 you go ahead and state your full name.

24 A. Nicholas Pelliccione.

25 Q. I believe we have already spelled that for the court

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Pelliccione - Direct

1 reporter.

2 Dr. Pelliccione --

3 THE COURT: Doctor, if you could move that mic, move
4 it up. It moves. Put it under your chin. Keep your voice up.
5 Thanks.

6 Q. Dr. Pelliccione, we have never met before, but you have met
7 some of my FTC colleagues at your investigational hearing in
8 September of 2019 and your deposition about a year ago.

9 My name is Markus Meier. I work at the Federal Trade
10 Commission. Is there anything that might affect your ability
11 to give truthful complete testimony today?

12 A. No.

13 MR. MEIER: Your Honor, at this time I'd like to just
14 introduce Stephanie Guy, who is sitting at counsel table.
15 Ms. Guy will be assisting me. Hopefully, the Trial Director
16 technology is working properly, and we will be able to put up
17 exhibits that you will be able to see at that screen,
18 Dr. Pelliccione.

19 Q. Dr. Pelliccione, you currently work at Vyera
20 Pharmaceuticals LLC, correct?

21 A. That's correct.

22 Q. You are Vyera's senior vice-president and head of research
23 and development?

24 A. That's correct.

25 Q. As senior vice-president you're a member of Vyera's senior

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Pelliccione - Direct

1 leadership team?

2 A. Yes, I am.

3 Q. You report to Averill Powers?

4 A. Correct.

5 Q. Mr. Powers is the chief executive officer of Phoenixus?

6 A. Yes.

7 Q. He's also Vyera's general counsel and chief strategy
8 officer?

9 A. That's correct.

10 MR. MEIER: Just for the record, Phoenixus is spelled
11 P-h-o-e-n-i-x-u-s.

12 A. Yes.

13 Q. Your role at Vyera involves regulatory affairs and quality
14 assurance?

15 A. Among other things, yes.

16 Q. You have worked at Vyera since January 2015?

17 A. Yes.

18 Q. So you were working at Vyera when Vyera acquired the rights
19 to Daraprim in August 2015?

20 A. Yes, I was.

21 Q. As best I can tell, are you one of the few Vyera employees
22 who was at the company when it first acquired Daraprim is still
23 at Vyera today?

24 A. I'm the only one.

25 Q. Great. That's what I thought.

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Pelliccione - Direct

1 Dr. Pelliccione, you have a Ph.D. in biochemistry from
2 the Mt. Sinai School of Medicine?

3 A. Yes.

4 Q. You have, as Mr. Casey said, over 35 years of experience in
5 the pharmaceutical industry?

6 A. Yes.

7 Q. And you've devoted much of your career to assisting life
8 science companies navigating regulatory challenges?

9 A. Yes, that's correct.

10 Q. When we say regulatory challenges, you're talking about
11 meeting Food and Drug Administration rules and regulations?

12 A. Primarily, yes.

13 Q. And the Food and Drug Administration is often abbreviated
14 as capital FDA?

15 A. Yes.

16 Q. When you first started working at Vyera, you reported to
17 Dr. Eliseo Salinas?

18 A. Actually, when I first started working, I reported to
19 Martin Shkreli.

20 Q. But when Dr. Salinas was hired, you began to report to
21 Dr. Salinas?

22 A. That is correct.

23 Q. Speaking of Mr. Shkreli, when you first started working at
24 Vyera, Martin Shkreli was Vyera's CEO?

25 A. I believe that's correct, yes.

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Pelliccione - Direct

1 Q. Did you meet Mr. Shkreli as part of the interview process
2 when you were considering taking the job with Vyera?

3 A. Yes, I did.

4 Q. Did Mr. Shkreli interview you?

5 A. Yes, he did.

6 Q. While working at Vyera, you would meet with Martin Shkreli,
7 is that correct?

8 A. On occasion, yes.

9 Q. About how many times do you estimate that you have met
10 about Martin Shkreli while working at Vyera?

11 A. I don't know that I could hazard to guess. There were some
12 regular meetings and then there were chance meetings.

13 Q. Are we talking about more than a hundred times?

14 A. I really couldn't answer that.

15 Q. While working at Vyera, you spoke with Mr. Shkreli many
16 times?

17 A. I spoke with Mr. Shkreli on a number of occasions. I don't
18 know how you would define many.

19 Q. Again, more than a hundred times?

20 A. Maybe not.

21 Q. While working at Vyera, you sent and received e-mails from
22 Mr. Shkreli?

23 A. More than likely.

24 Q. Let's move away from talking about your professional
25 background and talk briefly about a drug product called

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Pelliccione - Direct

1 Daraprim.

2 During your time at Vyera, you've had numerous
3 responsibilities related to Daraprim, correct?

4 A. Well, anything related on a regulatory quality and R&D
5 perspective, so, yes.

6 Q. Those types of responsibilities with respect to Daraprim
7 came up on a number of different occasions during the time you
8 have worked at Vyera?

9 A. Yes.

10 Q. Daraprim was first approved by the FDA in 1953?

11 A. That was the initial approval, yes.

12 Q. Daraprim is used today to treat toxoplasmosis?

13 A. That's correct.

14 Q. And the FDA approved Daraprim to treat toxoplasmosis in
15 1958?

16 A. That is correct.

17 Q. Toxoplasmosis is a potentially serious parasitic infection?

18 A. It's potentially serious. Potentially life threatening.

19 Q. Daraprim's active pharmaceutical ingredient is a chemical
20 called pyrimethamine?

21 A. That's correct.

22 Q. The term active pharmaceutical ingredient is often
23 abbreviated with capital API, is that correct?

24 A. Yes, that's correct.

25 Q. We are probably going to say that acronym a lot today,

LC3MFTC1

Pelliccione - Direct

1 right?

2 A. Yes.

3 Q. Daraprim is the gold standard treatment for toxoplasmosis,
4 correct?

5 A. Daraprim is the only FDA-approved treatment for
6 toxoplasmosis.

7 Q. Did you ever hear Mr. Shkreli say that Daraprim is the
8 "gold standard" treatment for toxoplasmosis?

9 A. I can't say that I specifically heard Mr. Shkreli say that.

10 Q. Have you ever heard anyone at Vyera say that Daraprim is
11 the gold standard treatment for toxoplasmosis?

12 A. I don't know that I could specifically state that I have
13 heard anyone say that at Vyera.

14 Q. Have you ever said that?

15 A. I may have. I don't know. It's the only treatment.

16 Q. Fair to say that Vyera's revenues have principally been
17 derived from the sales of Daraprim?

18 A. That's my understanding.

19 Q. Vyera only sells two products commercially, correct?

20 A. That is correct.

21 Q. One is Daraprim and the other is a product called Vecamyl?

22 A. Yes.

23 Q. Just to be sure, Vecamyl V-e-c-a-m-y-l?

24 A. That's correct.

25 Q. And Daraprim is a much larger product for Vyera than

LC3MFTC1

Pelliccione - Direct

1 Vecamyl, correct?

2 A. I believe from a revenue perspective, yes.

3 Q. You've been working at Vyera for almost seven years?

4 A. Yes.

5 Q. So during your time you've been working at Vyera, most of
6 the company's profits have come from the sales of Daraprim?

7 A. I assume so. I'm not part of the finance area.

8 THE COURT: Doctor, let's be frank here. Do you have
9 any reason to believe it's not principally from Daraprim?

10 THE WITNESS: No. I don't have any reason not to
11 believe that.

12 MR. MEIER: Thank you, your Honor.

13 Q. Would it be fair to say that your salary at Vyera has
14 mostly come from the sales of Daraprim?

15 A. I assume so.

16 Q. What is your current salary at Vyera?

17 A. \$360,000.

18 Q. You've typically received an annual bonus while working at
19 Vyera?

20 MR. CASEY: Your Honor, I am not sure what the
21 relevance is to these questions.

22 THE COURT: Overruled.

23 Q. Let me ask that again. You've typically received an annual
24 bonus while working at Vyera?

25 A. We did not always receive annual bonuses, but, yes, I have

LC3MFTC1

Pelliccione - Direct

1 received annual bonuses.

2 Q. What's the largest annual bonus you ever got at Vyera?

3 A. Probably this past year. I believe it was 25 percent of my
4 salary.

5 Q. So 25 percent of your salary is about \$90,000?

6 A. I believe that's correct.

7 Q. So your bonus at Vyera, that's mostly come from the sales
8 of Daraprim, correct?

9 A. I assume so.

10 Q. You worked at Vyera when Mr. Shkreli raised the price of
11 Daraprim by 4,000 percent?

12 A. Yes.

13 Q. Did you ever hear Mr. Shkreli say words to the effect that
14 he should have raised the price of Daraprim even higher?

15 A. I did not hear him say that, but I have read that.

16 Q. Did you ever hear Mr. Shkreli say words to the effect that
17 I could have raised the price of Daraprim even higher and made
18 more profits for our shareholders?

19 A. Again, I don't recall that I heard him say that, but I have
20 read that.

21 Q. And you are a shareholder of Vyera's parent company,
22 Phoenixus, correct?

23 A. Yes, I am.

24 Q. As part of your compensation for working at Vyera, you've
25 been given shares in Phoenixus?

LC3MFTC1

Pelliccione - Direct

1 A. Yes, I have.

2 Q. As of December 2020, you own more than 17,000 shares of
3 Phoenixus, correct?

4 A. I think honestly -- I don't remember how many shares.

5 Q. But you do hold shares?

6 A. I do.

7 Q. And you hold the voting rights for some of those shares,
8 correct?

9 A. Correct.

10 Q. And Mr. Shkreli holds the voting rights to some of your
11 shares in Phoenixus, correct?

12 A. I believe that's correct.

13 Q. Let's talk about your role in Vyera's efforts to enter into
14 an exclusive supply contract with a Japanese API supplier
15 called Fukuzyu. Are you with me?

16 A. Yes.

17 MR. MEIER: For the record Fukuzyu --

18 THE COURT: I think it's on the glossary.

19 MR. MEIER: Your Honor, would it be better if I
20 stopped spelling things?

21 THE COURT: I think I have gotten counsel into the
22 good/bad habit of spelling for the court reporters. I think
23 it's whenever I think that it might not be on the glossary.

24 MR. MEIER: Thank you, your Honor.

25 Q. You're familiar with a Japanese company called Fukuzyu?

LC3MFTC1

Pelliccione - Direct

1 A. Yes, I am.

2 Q. And Fukuzyu is at times abbreviated in documents as capital
3 FKZ?

4 A. Correct.

5 Q. As part of the process of working with the FDA when you
6 were transitioning the Daraprim new drug application from
7 impacts to Vyera, you learned that Impax had been obtaining its
8 pyrimethamine API from Fukuzyu, correct?

9 A. Yes, it's part of the NDA.

10 Q. And it is you that had noticed that in the NDA?

11 A. That is correct.

12 Q. NDA is an abbreviation for new drug application?

13 A. Yes.

14 Q. A new drug application that's used to describe the
15 collection of regulatory filings that a pharmaceutical company
16 has to make to get FDA approval to market a new drug?

17 A. Pretty much, yes.

18 Q. And you were actually the first person from Vyera who
19 contacted Fukuzyu, correct?

20 A. That is correct.

21 Q. And you contacted Fukuzyu because Vyera needed to establish
22 contact with them as the listed API supplier in the NDA?

23 A. Yes, that's correct.

24 Q. And you personally initially reached out to Fukuzyu in
25 April of 2016?

LC3MFTC1

Pelliccione - Direct

1 A. I believe that's correct.

2 Q. And Fukuzyu is Vyera's supplier of pyrimethamine API today?

3 A. Yes, it is.

4 Q. And Fukuzyu is an important partner for Vyera?

5 A. Yes.

6 Q. Is it correct that no one from Vyera's business development
7 team was involved in reaching out to Fukuzyu in April 2016?

8 A. As far as I know, yes.

9 Q. Now, in October of 2016, you personally visited Fukuzyu's
10 facility in Japan, correct?

11 A. With two of my colleagues, yes.

12 Q. You were joined on the trip to Japan by your boss at the
13 time, Dr. Salinas, and by a person named Gopal Krishna?

14 A. Yes, that's correct.

15 Q. That one I am not sure if you have the spelling. G-o-p-a-l
16 K-r-i-s-h-n-a.

17 Dr. Salinas was Vyera's president and head of research
18 and development at the time?

19 A. Yes.

20 Q. You now have his job?

21 A. I don't have the president job.

22 Q. Thank you.

23 In effect, Dr. Salinas was Vyera's senior most
24 scientist at the time, correct?

25 A. Yes, that's correct.

LC3MFTC1

Pelliccione - Direct

1 Q. Mr. Krishna was Vyera's vice-president of chemistry,
2 manufacturing, and control?

3 A. Yes, that's correct.

4 Q. And the term chemistry, manufacturing, and control is often
5 abbreviated as capital CMC, correct?

6 A. Yes.

7 Q. And you were Vyera's senior vice-president for regulatory
8 affairs at the time of the visit to Japan?

9 A. That's correct.

10 Q. So the three people Vyera sent to meet with Fukuzyu were
11 the company's most senior people responsible for science,
12 manufacturing, and regulatory affairs?

13 A. Yes.

14 Q. And no one from Vyera's business development team visited
15 Fukuzyu in Japan with you in 2016, correct?

16 A. That is correct.

17 Q. As part of your visit to Japan you toured the plant where
18 Fukuzyu makes pyrimethamine API?

19 A. Yes, we did.

20 Q. You took the plant tour because it's important for a
21 manufacturer who is having a product manufactured by someone
22 else to assure themselves that it is being made in a so-called
23 GMP facility and under good conditions?

24 A. Well, I'd like to.

25 THE COURT: Is that a yes or a no? If you can answer

LC3MFTC1

Pelliccione - Direct

1 yes or no, you should do so. If you need to explain your
2 answer, you'll have an opportunity to do so on
3 cross-examination. If you can't answer it yes or no, of
4 course, you may give a brief instruction or explanation.

5 A. Can I hear the question again, please?

6 Q. Yes. You took the plant tour because it's important for
7 any manufacturer who is having a product manufactured by
8 someone else to assure themselves that it is being made in a
9 so-called GMP facility and under good conditions?

10 A. Technically, yes.

11 Q. Thank you.

12 You actually said that in your investigational
13 hearing. Do you remember that?

14 A. No.

15 THE COURT: I don't think we have an answer to that
16 for the record.

17 THE WITNESS: Off the top of my head, I don't
18 remember.

19 Q. GMP stands for good manufacturing practices, correct?

20 A. Yes, it does.

21 Q. And the term good manufacturing practices is often
22 abbreviated as capital G, M, and P?

23 A. Yes.

24 Q. And good manufacturing practices are regulations enforced
25 by the FDA to assure the proper design monitoring and control

LC3MFTC1

Pelliccione - Direct

1 of pharmaceutical manufacturing processes and facilities?

2 A. That is correct.

3 Q. Sometimes the acronym GMP is preceded by the letter C,
4 correct?

5 A. Yes.

6 Q. And the C stands for current, correct?

7 A. That is correct.

8 Q. So when you see CGMP, it means the most current good
9 manufacturing practices that the FDA requires?

10 A. That's correct.

11 (Continued on next page)

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Pelliccione - Direct

1 BY MR. MEIER:

2 Q. You thought it was important that the specific team of
3 people from Vyera who attended the meetings with Fukuzyu go on
4 the plant tour?

5 A. Yes.

6 Q. And you wanted to be there specifically because you were
7 responsible for regulatory affairs and quality assurance?

8 A. Yes.

9 Q. And Gopal Krishna wanted to be there because he was the
10 head of CMC and you were touring a manufacturing plant?

11 A. Yes.

12 Q. And Dr. Salinas wanted to be there because he was the head
13 of R&D and he actually oversees the whole operations for Vyera?

14 MR. CASEY: Your Honor, I object to the question.
15 He's asking about what Mr. Salinas wanted to do. It's not
16 within the knowledge of the witness.

17 THE COURT: Overruled.

18 THE WITNESS: Yes.

19 BY MR. MEIER:

20 Q. Thank you.

21 And no one from Vyera's business development team took
22 the Fukuzyu plant tour with you?

23 A. That's correct.

24 Q. As part of your visit to Japan, you also met with Fukuzyu's
25 technical personnel responsible for making pyrimethamine API?

LCEKFTC2

Pelliccione - Direct

1 A. I believe we did some of them anyway.

2 Q. And, again, no one from Vyera's business development team
3 met with Fukuzyu's technical personnel responsible for making
4 API?

5 A. That's correct.

6 Q. Let's now talk about the master services agreement between
7 Vyera and Fukuzyu.

8 You were part of Vyera's team responsible for getting
9 the agreement with Fukuzyu to supply Vyera with pyrimethamine
10 API, correct?

11 A. Yes.

12 Q. And this role included reading the documents related to the
13 master services agreement?

14 A. Yes.

15 Q. And your role included making sure that the agreement made
16 sense?

17 A. Part of it, yes.

18 Q. And your role included making sure that certain things were
19 included in the agreement, like the quality agreement?

20 A. The quality agreement is referred to in the service
21 agreement, yes.

22 Q. So your role included making sure that certain things were
23 included in the agreement, like the quality agreement?

24 A. Yes.

25 Q. And Vyera entered into the master services agreement with

LCEKFTC2

Pelliccione - Direct

1 Fukuzyu in January of 2017?

2 A. That's correct.

3 Q. And Vyera's agreement with Fukuzyu includes an exclusivity
4 provision?

5 A. Yes.

6 Q. And Vyera didn't coerce Fukuzyu to include the exclusivity
7 provision in the master services agreement, correct?

8 A. That's correct.

9 Q. Instead, Vyera made it financially attractive for Fukuzyu
10 to enter the exclusivity agreement, correct?

11 A. I can't answer that.

12 Q. Well, let me ask you this: As part of the agreement, did
13 Vyera offer Fukuzyu the prospect of supplying Vyera with
14 additional pyrimethamine API -- I'm sorry, let me start that
15 over.

16 As part of the agreement, Vyera offered Fukuzyu the
17 prospect of supplying additional pyrimethamine API for future
18 drug products Vyera was hoping to develop?

19 A. I don't believe that's part of the actual agreement.

20 Q. But that was part of the discussions with Fukuzyu, wasn't
21 it?

22 A. That was part of -- we discussed the potential that Fukuzyu
23 could do API development for us.

24 Q. In fact, that was discussed by you and Dr. Salinas with the
25 people at Fukuzyu, correct?

LCEKFTC2

Pelliccione - Direct

1 A. Yes.

2 Q. And Fukuzyu had an understanding that there may have been
3 future developed products that would require pyrimethamine and
4 that Vyera would buy that pyrimethamine from Fukuzyu?

5 MR. CASEY: Objection, your Honor. I don't know that
6 the witness can testify to Fukuzyu's understanding. A proper
7 foundation hasn't been laid.

8 THE COURT: Sustained.

9 BY MR. MEIER:

10 Q. As part of the agreement, Vyera offered Fukuzyu a better
11 price for pyrimethamine API than potential generic Daraprim
12 manufacturers would, correct?

13 A. I don't know that.

14 Q. Okay.

15 MR. MEIER: Ms. Guy, would you please put Government
16 Exhibit 1020 on the screen. Hopefully, the technology is
17 working.

18 Q. If you could take a moment to just look at that first page?

19 THE COURT: So do you have the ability to enlarge the
20 text?

21 Thank you.

22 MS. GUY: You're welcome.

23 BY MR. MEIER:

24 Q. Let me ask you this first Dr. Pelliccione.

25 A. Excuse me. Is it up? Because there's no -- it flashes up,

LCEKFTC2

Pelliccione - Direct

1 and then it goes away.

2 Q. Okay.

3 MR. MEIER: I don't know about courtroom technology.
4 Do we need to bring somebody in to help with that, your Honor?

5 THE COURT: So I ask counsel to test the equipment in
6 advance of each day's session. We'll ask my deputy to come and
7 try to assist and, if necessary, courtroom support. So why
8 don't you continue, counsel.

9 BY MR. MEIER:

10 Q. Do you see it up there now?

11 A. No.

12 MR. MEIER: Unfortunately, your Honor, when we got
13 ready for this trial, the rule was we had to put everything up,
14 so I didn't have time to put together binders, and I do not
15 have a backup other my own personal copy that's been
16 highlighted. I'm happy to give the witness my personal
17 highlighted copy.

18 THE COURT: I don't think that's necessary for this
19 document. I think you can go ahead.

20 MR. MEIER: Okay.

21 BY MR. MEIER:

22 Q. Well, Dr. Pelliccione, do you know whether you have seen
23 the document marked as Government Exhibit 1020 before?

24 A. I do not know.

25 MR. MEIER: Okay. I'm not sure if I can continue with

LCEKFTC2

Pelliccione - Direct

1 this, then. We'll have to put that one aside, and I will come
2 back to that. Apologies, your Honor. We'll do better
3 tomorrow, I hope.

4 BY MR. MEIER:

5 Q. As part of your role at Vyera, you were responsible for
6 helping make sure that Fukuzyu was compliant with the master
7 services agreement, correct?

8 THE COURT: Put the document back up again, please.

9 MS. GUY: Yes. I was just seeing if it would --

10 (Pause)

11 THE COURT: Okay, counsel, why don't you continue.
12 We're going to be assisted in a moment with technical -- oh,
13 maybe they're here.

14 So we're having trouble -- counsel is having trouble
15 displaying the image on the witness' screen. It's on my scene,
16 and it's on counsel's screens.

17 MR. MEIER: It appears to be working everywhere except
18 for the witness, your Honor.

19 (Pause)

20 THE COURT: So, Mr. Whertvine, if you would watch what
21 technical changes are being done, that would be of assistance.

22 You'll be happy to know this isn't coming off your
23 time.

24 MR. MEIER: Okay. Thank you, your Honor. It's a huge
25 relief. I was about to ask Mr. Albert to rearrange our

LCEKFTC2

Pelliccione - Direct

1 schedules.

2 (Pause)

3 THE COURT: We're going to take a midmorning recess.
4 A cable needs to be replaced. Let's make it ten minutes, I
5 think.

6 Okay, good. Have a nice break.

7 (Recess)

8 MR. MEIER: Thank you, your Honor. Again, Markus
9 Meier, for the Federal Trade Commission.

10 We have put up on the screen Government's
11 Exhibit 1020.

12 BY MR. MEIER:

13 Q. Do you see that now, Mr. Pelliccione -- Dr. Pelliccione?

14 A. Yes, I do.

15 MR. MEIER: If we could briefly put the cover email
16 up.

17 MS. GUY: Working on it.

18 Now, the technical difficulties have --

19 (Pause)

20 MR. MEIER: Again, your Honor, I appreciate the
21 Court's indulgence, and, hopefully, we'll work through these
22 kinks and not have this happen a whole lot more.

23 BY MR. MEIER:

24 Q. Dr. Pelliccione, do you see the cover email here?

25 A. Yes, I do.

LCEKFTC2

Pelliccione - Direct

1 Q. And the emails from Gopal Krishna, correct?

2 A. Yes.

3 Q. And it's to you and Adam Bloom, correct?

4 A. Yes.

5 Q. And the subject is master services agreement?

6 A. Correct.

7 Q. And it attaches the Fukuzyu-Turing master services
8 agreement executed. Do you see that?

9 A. Yes.

10 Q. Have you seen Government Exhibit 1020 before?

11 A. That's the MSA?

12 Q. Yes. And this email.

13 A. I've probably seen the email, but, yes, I've seen the MSA.

14 Q. So what is Government Exhibit 1020?

15 THE COURT: Is that the email or the MSA?

16 MR. MEIER: Well, the email -- the MSA is attached to
17 the email, your Honor.

18 THE COURT: Okay. But on the screen, I don't think
19 you see an exhibit number. So the witness may not know what
20 you're referring to when you use the exhibit number.

21 BY MR. MEIER:

22 Q. So the exhibit --

23 A. I see it.

24 Q. -- Dr. Pelliccione, is both the email with the MSA
25 attached.

LCEKFTC2

Pelliccione - Direct

1 A. You're asking have I seen this?

2 Q. Yes, I've asked you have you seen it, and then I'm asking
3 you what it is.

4 A. Okay. So, yes, I've seen it, and it is the service
5 agreement between Turing and Fukuzyu for pyrimethamine API.

6 Q. Thank you.

7 MR. MEIER: Your Honor, I move to admit Government
8 Exhibit 1020 in evidence.

9 THE COURT: Received.

10 (Government's Exhibit 1020 received in evidence)

11 BY MR. MEIER:

12 Q. Let's -- now, hopefully, this will work. Let's look at the
13 first page of Government Exhibit 1020, the actual agreement
14 now.

15 Do you see that?

16 A. Yes. It's a little blurry and small.

17 Q. Okay. We'll work on that.

18 MR. MEIER: Now I'd like to move to the upper half of
19 the second page, if that can work.

20 I missed my own cue. Let's, actually, look at the
21 upper half of page 14. Sorry.

22 I'm sorry, page 14 of the master services agreement,
23 which is page 15 of the exhibit.

24 Again, apologies as we work through this.

25 Q. Do you see that page?

LCEKFTC2

Pelliccione - Direct

1 A. Yes, I do.

2 Q. So this is the executed version of the master services
3 agreement?

4 A. Yes, it is.

5 Q. And Mr. Tilles was the chief executive officer of Turing at
6 the time?

7 A. Yes.

8 Q. And Mr. Kosugi was the president of Fukuzyu at the time?

9 A. Yes.

10 Q. Is it correct that Mr. Tilles actually went to Japan to
11 sign the master services agreement with Mr. Kosugi on
12 January 25, 2017?

13 A. I'm not sure about that.

14 Q. Okay, all right.

15 MR. MEIER: You can take that down, Ms. Guy.

16 Your Honor, I apologize. I asked to have this
17 admitted. I don't remember if I got a ruling on that.

18 THE COURT: Yes, it was received.

19 MR. MEIER: Thank you, your Honor.

20 BY MR. MEIER:

21 Q. As part of your role at Vyera, you were responsible for
22 helping Fukuzyu make sure that it remained compliant with the
23 agreement, correct?

24 A. I'm not entirely sure what you mean.

25 Q. Well, from time to time, Fukuzyu would check with you to

LCEKFTC2

Pelliccione - Direct

1 make sure that it was still abiding by certain terms in the
2 master services agreement, correct?

3 A. Yes.

4 MR. MEIER: So, actually, I'd like to pull it up again
5 and look at the very top of page 4 of the master services
6 agreement. If we could blow up paragraph (b) there.

7 BY MR. MEIER:

8 Q. Do you recognize what paragraph (b) is on page 4 of
9 Government Exhibit 1020?

10 A. Yes.

11 Q. What is it?

12 A. It's the provision for exclusivity for Fukuzyu to provide
13 the pyrimethamine to Turing.

14 Q. And you understood the term "territory" to mean United
15 States?

16 A. Yes.

17 Q. And you understood that the exclusivity only applied to the
18 use of pyrimethamine API for humans only?

19 A. Yes.

20 Q. So Fukuzyu could still sell API in the United States for
21 animal use?

22 A. If they chose to, yes.

23 Q. And one of your roles at Vyera was to make sure Fukuzyu
24 remained compliant with this exclusivity provision, correct?

25 A. It wasn't really my role.

LCEKFTC2

Pelliccione - Direct

1 Q. But Fukuzyu would check with you through a person named
2 Mr. Arisawa, correct?

3 A. Mr. Arisawa would basically send everything through me.

4 Q. Right.

5 A. He was the liaison with us.

6 Q. So Mr. Arisawa was Vyera's representative in Japan,
7 correct?

8 A. Yes, that's correct.

9 Q. And Mr. Arisawa would assist Vyera in its negotiations and
10 relations with Fukuzyu?

11 A. In the sense that we would provide him with information to
12 bring back to Fukuzyu.

13 Q. Right.

14 And Mr. Arisawa speaks Japanese?

15 A. Yes.

16 Q. And he's somebody you knew from a position you had before
17 you came to Vyera?

18 A. That is correct.

19 Q. And it was you who had reached out to Mr. Arisawa to
20 develop a relationship for him to act as Vyera's representative
21 in Japan, correct?

22 A. That's correct.

23 Q. And, from time to time, Mr. Arisawa would send you
24 questions from Fukuzyu about the interpretation of this
25 exclusivity provision, correct?

LCEKFTC2

Pelliccione - Direct

1 A. That was done, yes.

2 Q. And one of the outcomes of this exclusivity provision was
3 to prevent generic manufacturers in the United States from
4 acquiring pyrimethamine API from Fukuzyu for human use,
5 correct?

6 A. That would have been an outcome, it would have prevented
7 any manufacturer that wanted the API.

8 Q. To use the API for human use in the United States?

9 A. In the United States.

10 Q. This outcome was beneficial for Vyera in the sense that
11 Vyera would have less competition?

12 A. In essence, I guess, yes.

13 Q. I don't want you to guess. Could you just say whether
14 that's correct or not?

15 A. That would be correct.

16 Q. Thank you.

17 MR. MEIER: We can take that exhibit down, and I would
18 ask Ms. Guy to pull up Government Exhibit 1019.

19 Actually, I'm going to --

20 BY MR. MEIER:

21 Q. Can you see this, Dr. Pelliccione --

22 A. Yes.

23 Q. -- or do we need to blow it up?

24 If you could take just a quick moment and familiarize
25 yourself with it before I ask a couple of questions.

LCEKFTC2

Pelliccione - Direct

1 Again, I'm not asking you about -- I'll ask you about
2 some specific sentences, but I just want you to get a sense of
3 what this actually is.

4 Here's my question, Dr. Pelliccione --

5 A. Yes.

6 Q. -- have you seen the email chain that's marked as
7 Government Exhibit 1019 before?

8 A. Yes.

9 Q. And what is Government Exhibit 1019?

10 A. It's a series of emails covering a couple of different
11 things related to Daraprim.

12 Q. I don't know how to pronounce the name. It says it's
13 from -- what's the name of the person?

14 A. Senajda.

15 Q. Senajda?

16 A. Celaj.

17 Q. That's spelled S-e-n-a-j-d-a and the last name -- Celaj,
18 you said?

19 A. Yes.

20 Q. -- is C-e-l-a-j.

21 Is Senajda Celaj a man or a woman?

22 A. A woman.

23 Q. Did Ms. Celaj send an email to you, Dr. Pelliccione?

24 A. Yes, she did.

25 MR. MEIER: Your Honor, I would move to admit

LCEKFTC2

Pelliccione - Direct

1 Government Exhibit 1019 in evidence.

2 THE COURT: Received.

3 (Government's Exhibit 1019 received in evidence)

4 MR. MEIER: Let's turn to page 2 of Government Exhibit
5 1019.

6 BY MR. MEIER:

7 Q. I'm going to ask you about the fifth line down, where it
8 says, "On November 22, 2016, at 7:31 a.m."

9 Do you see that?

10 A. Yes, I do.

11 Q. Let me read the entire line there. "On November 22, 2016,
12 at 7:31 a.m., Nick Pelliccione," and it has your email address,
13 "wrote the following." After the greeting, where it says,
14 "Morning Senajda," you write, "We got good news from Mikio in
15 Japan overnight - Fukuzyu has accepted our agreement to provide
16 pyrimethamine exclusively for us for human drugs and will not
17 sell to generic manufacturers. That is a big sigh of relief
18 for us!"

19 Do you see that?

20 A. Yes.

21 Q. And you wrote that email, correct?

22 A. Yes.

23 Q. When it says Mikio, M-i-k-i-o, that's Mikio Arisawa?

24 A. Correct.

25 Q. Again, Mr. Arisawa was your representative in Japan?

LCEKFTC2

Pelliccione - Direct

1 A. Yes.

2 Q. And Mr. Arisawa helped you negotiate the exclusivity
3 agreement with Fukuzyu?

4 A. Yes. He served as our liaison.

5 Q. Still looking at Government Exhibit 1019, "Our agreement"
6 in that sentence refers to the master services agreement?

7 A. Yes.

8 Q. And that's the agreement for Fukuzyu to supply
9 pyrimethamine API to Vyera for use in making Daraprim?

10 A. Yes. Vyera in the sense that at the time, it was Turing,
11 but, yes.

12 Q. When it says "will not sell to generic," when you wrote
13 that, that means that under the agreement between Fukuzyu and
14 Vyera, Vyera -- I'm sorry, let me start that over.

15 Where it says "will not sell to generics," that means
16 that under the agreement between Fukuzyu and Vyera, Fukuzyu
17 agreed not to sell pyrimethamine API to any generic companies
18 in the United States that might compete with Vyera, correct?

19 A. It's correct in that generic manufacturers are among
20 pharmaceutical manufacturers in the United States, but it would
21 have excluded any pharmaceutical manufacturer in the United
22 States.

23 Q. I appreciate that.

24 So not just the generic manufacturers were excluded,
25 but anybody who might want to make pyrimethamine in competition

LCEKFTC2

Pelliccione - Direct

1 with Vyera?

2 A. Only to use Fukuzyu's pyrimethamine.

3 Q. Right. Got it. Thank you.

4 And then you say, "That is a big sigh of relief for
5 us!"

6 And by that, you were relieved that Fukuzyu had agreed
7 not to sell pyrimethamine to any of Vyera's competitors in the
8 United States, correct?

9 A. I don't know that that's specifically what I meant. We
10 were very relieved that we had finally gotten to an agreement
11 that was going to be signed.

12 Q. All right.

13 MR. MEIER: Let's turn to page 1 of Government
14 Exhibit 1019 and the middle of the page, and let's see if
15 Ms. Guy can call that up.

16 BY MR. MEIER:

17 Q. Do you see that on your screen?

18 A. Yes.

19 Q. This is later in the day, around 8:18 a.m., still on
20 November the 22nd, correct?

21 A. Yes.

22 Q. Do you see where you wrote, "The Fukuzyu thing is great for
23 us!" It's actually the third paragraph down.

24 A. Yes.

25 Q. You write, "The Fukuzyu thing is great for us!"

LCEKFTC2

Pelliccione - Direct

1 "The Fukuzyu thing" means the exclusive API agreement
2 between Vyera and Fukuzyu, correct?

3 A. It means the supply agreement.

4 Q. Right.

5 With the exclusivity provision?

6 A. That's part of it, yes.

7 Q. Thank you.

8 MR. MEIER: Ms. Guy, you can take Government
9 Exhibit 1019 down. Thank you.

10 Q. As Part of the contract, or the agreement, with Fukuzyu,
11 Vyera didn't make any investment in developing Fukuzyu's
12 manufacturing process for API, did it?

13 A. No.

14 Q. And Vyera didn't discover Daraprim?

15 A. No.

16 Q. And Vyera doesn't actually make or manufacture Daraprim,
17 correct?

18 A. You mean as an actual manufacturer?

19 Q. That's right.

20 A. No, we don't manufacture anything.

21 Q. Vyera uses a third-party contracted manufacturing
22 organization to make Daraprim, correct?

23 A. Correct.

24 Q. Vyera doesn't actually manufacture the active
25 pharmaceutical ingredient in Daraprim, correct?

LCEKFTC2

Pelliccione - Direct

1 A. That's correct.

2 Q. Fukuzyu does?

3 A. Yes.

4 Q. And Vyera doesn't distribute pyrimethamine API in the
5 United States or anywhere else in the world, does it?

6 A. No.

7 Q. Vyera uses a third party to distribute Daraprim for it?

8 A. Daraprim, the product?

9 Q. The product.

10 A. Yes.

11 Q. The pill, Daraprim, is distributed for Vyera by another
12 company?

13 A. Correct.

14 Q. But Vyera does set the price of Daraprim, correct?

15 A. Apparently, yes.

16 Q. I'm sorry, what?

17 A. Apparently, yes.

18 Q. Okay. Thank you.

19 Your responsibilities for working with Fukuzyu didn't
20 end after the two companies signed the exclusive agreement,
21 correct?

22 A. That's correct.

23 Q. You continued to be involved primarily for issues of
24 regulatory and quality issues?

25 A. That's correct.

LCEKFTC2

Pelliccione - Direct

1 Q. And, again, you would work sometimes with your
2 representative in Japan, Mr. Arisawa, correct?

3 A. Correct.

4 Q. He continued to assist you with those types of issues as a
5 go-between from Vyera to Fukuzyu?

6 A. Yes.

7 Q. So, under the exclusivity provision of the contract, Vyera
8 gets to decide which, if any, companies in the United States
9 may buy pyrimethamine API from Fukuzyu?

10 A. If Vyera were going to agree to have another company
11 purchase the API, that would be correct.

12 Q. Right.

13 MR. MEIER: Ms. Guy, would you please put Government
14 Exhibit 1003 on the screen. Thank you.

15 Q. Would you take a moment to just get a general sense of it.
16 I'm going to ask you some specific questions, but the first
17 thing I'm going to ask you, as I always will, is: Have you
18 seen this before and what is it?

19 A. Well, yes, I have seen it before. It's a fairly old email.

20 Could you make it a little bigger or darker.

21 MR. MEIER: Let's just make the top part a little
22 bigger.

23 THE WITNESS: Thank you.

24 It's regarding supplying pyrimethamine to another
25 company.

LCEKFTC2

Pelliccione - Direct

1 BY MR. MEIER:

2 Q. And it's an email chain between you and your representative
3 in Japan, Mr. Arisawa, correct?

4 A. That's correct.

5 MR. MEIER: Your Honor, I move to admit Government
6 Exhibit 1003 in evidence.

7 THE COURT: Received.

8 MR. CASEY: Your Honor, on that point, if I may, the
9 emails that are coming from Mr. Arisawa, we would submit, are
10 hearsay. We object to the admission on that basis.

11 MR. MEIER: Your Honor, I think it's been well
12 established that Mr. Arisawa was an agent for Vyera in Japan
13 and continued to work with Vyera as Vyera's agent in
14 negotiations and then in the further efforts to make sure that
15 Fukuzyu complied with the agreements.

16 THE COURT: Overruled.

17 MR. MEIER: Thank you, your Honor.

18 THE COURT: Received.

19 (Government's Exhibit 1003 received in evidence)

20 MR. MEIER: Thank you, your Honor.

21 BY MR. MEIER:

22 Q. I'm going to start with the earliest email, which actually
23 is the one at the back, because as often is the case, you go in
24 sort of reverse chronological order, and I want to do it in
25 chronological order. So we're going to start with the earliest

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Pelliccione - Direct

1 one in the chain, the one at the bottom of page 1, which is
2 from Mr. Arisawa to you. And I see Ms. Guy has pulled that up.

3 Do you see where it says, "Hi Nick"?

4 A. Yes.

5 Q. And, again, "FKZ" is Fukuzyu?

6 A. Yes.

7 Q. So Mr. Arisawa writes, "Hi Nick. Fukuzyu was approached by
8 an American pharmaceutical company called APTRICA for the
9 supply of pyrimethamine API for generic use."

10 Do you see that?

11 A. Yes, I do.

12 Q. "For generic use" meant that APTRICA wanted to buy
13 pyrimethamine API from Fukuzyu to make a generic Daraprim in
14 competition with Vyera, correct?

15 A. Apparently, yes.

16 Q. And moving up to page 1 of Government Exhibit 1003, do you
17 see your email in response? And Ms. Guy is going to blow that
18 up for you?

19 A. Yes.

20 MR. MEIER: Let's get that centered. There we go.

21 Q. Do you see that?

22 A. Yes, I do.

23 Q. And you wrote, "Dear Mikio, I can confirm that the company
24 you mention below, APTRICA, is not affiliated with Vyera in any
25 way."

LCEKFTC2

Pelliccione - Direct

1 Do you see that?

2 A. Yes.

3 Q. You didn't want a generic competitor to get access to
4 pyrimethamine API, correct?

5 A. That was not the question I was asked. It was whether or
6 not APTRICA was affiliated with Vyera, and they were not.

7 THE COURT: So can you answer the question that was
8 asked by counsel?

9 THE WITNESS: Can you repeat the question?

10 BY MR. MEIER:

11 Q. My question was: You didn't want a generic competitor to
12 get access to the API to make Daraprim, correct?

13 A. We didn't want another American pharmaceutical company as
14 part of the exclusivity agreement. That was basically the
15 fact.

16 Q. Right.

17 So, actually, we'll take a look at the top of page 1
18 of Government Exhibit 1003.

19 Mr. Arisawa writes back to you, "I passed your message
20 to Fukuzyu and asked not to supply pyrimethamine to APTRICA."

21 Do you see that?

22 A. Yes.

23 Q. So Mr. Arisawa understood that you didn't want Fukuzyu to
24 sell pyrimethamine API to a generic competitor in the United
25 States, correct?

LCEKFTC2

Pelliccione - Direct

1 MR. CASEY: Objection. Your Honor --

2 THE COURT: Overruled.

3 THE WITNESS: Yes, that's correct.

4 BY MR. MEIER:

5 Q. Okay.

6 MR. MEIER: Ms. Guy, you can take Government
7 Exhibit 1003 down. Thank you.

8 Ms. Guy, would you please put Government Exhibit 1005
9 on the screen. Thank you.

10 Q. Again, just take a moment, to the extent you can read this,
11 to just get familiar with it, and I'm going to start by asking
12 you: Have you seen it before? And what is it?

13 A. Yes, I've seen it before.

14 And it is a series of emails between Dr. Arisawa and
15 myself regarding pyrimethamine sale -- pyrimethamine API sale
16 to a company called Sanyo.

17 MR. MEIER: Okay. Your Honor, I move to admit
18 Government Exhibit 1005 in evidence.

19 THE COURT: Received.

20 (Government's Exhibit 1005 received in evidence)

21 BY MR. MEIER:

22 Q. Again, let's start with the earliest email in the chain,
23 which is the bottom of page 2, and it appears to be from
24 Mr. Arisawa to you.

25 Do you see that, Dr. Pelliccione?

LCEKFTC2

Pelliccione - Direct

1 A. Yes, I do.

2 Q. I'm sorry. A moment ago, I think I heard you say
3 Dr. Arisawa?

4 A. Yes.

5 Q. Is that actually his correct title?

6 A. That is correct.

7 Q. Okay. I'll try to remember that.

8 Do you see where it says, "Hi Nick"?

9 A. Yes.

10 Q. Then it says, "Fukuzyu informed me that they are selling
11 PYR to a Japanese trading company called Sanyo."

12 Do you see that?

13 A. Yes.

14 Q. And PYR would be pyrimethamine?

15 A. Yes.

16 Q. Reading the rest of it, "which, in turn, planned to sell it
17 to an American pharma that intends to develop it for South
18 America."

19 Do you see that?

20 A. I do.

21 Q. And it says, "Fukuzyu judged that this contract would not
22 interfere with the exclusivity term in the SA with you because
23 the exclusivity is confined to the U.S. market."

24 Do you see that?

25 A. I do.

LCEKFTC2

Pelliccione - Direct

1 Q. And "SA," that's an abbreviation for the master services
2 agreement?

3 A. Yes.

4 Q. Then it says, "Fukuzyu does not know where the American
5 company plans to conduct clinical trials for development. In
6 other words, it might conduct clinical trials in the U.S. No
7 information," correct?

8 A. That's correct.

9 Q. So what I'd like to do is continue to look at this
10 Government Exhibit 1005, but I'd like to move to the middle of
11 the page of page 1, where you write back.

12 Do you see that blown up?

13 A. Yep.

14 Q. And you're following up on that email from Mr. Arisawa that
15 informs you that a Japanese trading company called Sanyo wants
16 to acquire pyrimethamine for a company in the United States,
17 correct?

18 A. That's correct.

19 Q. So you write back -- do you see where it says, "in order
20 for us"?

21 A. Yes.

22 Q. Okay. Sorry, but this is going to be a little bit long,
23 but it says, "In order for us to be sure there is no breach of
24 contract here, we would need assurances in the form of
25 representations and warrants in their contract with Sanyo that

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Pelliccione - Direct

1 the API sold to the U.S. company will not be used to make
2 pyrimethamine drug product for human use that will find its way
3 back to the U.S. for commercial purposes, either via normal
4 prescription drug distribution or via 'compounded drug
5 products' or 'compounding pharmacies.'"

6 Do you see that?

7 A. Yes, I do.

8 Q. Do you recall how Mr. Arisawa responded back to you on
9 this?

10 A. I believe -- no, I don't recall exactly, no.

11 Q. All right. Then let's take a look at the top of Government
12 Exhibit 1005, the third paragraph.

13 Mr. Arisawa writes, "She replied" -- I'm sorry, let me
14 give you -- do you see where it says, "she replied"?

15 A. Yes.

16 Q. "She replied saying Fukuzyu understand to put such words in
17 the contract," correct?

18 A. That's what it says, yes.

19 Q. So you were instructing Mr. Arisawa to instruct Fukuzyu
20 that before it could sell API to a Japanese company called
21 Sanyo, Vyera needed assurances that the API it was selling to
22 Sanyo, that Sanyo was going to send to an American company,
23 would not find its way back into the United States, correct?

24 A. That is correct, yes.

25 Q. You wanted to make sure that if Fukuzyu sells pyrimethamine

LCEKFTC2

Pelliccione - Direct

1 API to another American pharmaceutical company, that none of
2 that ends up in the United States?

3 A. We wanted to make sure they were adhering to the
4 exclusivity agreement, yes.

5 Q. And you wanted to make sure that none of the pyrimethamine
6 ends up competing in some way with Vyera's Daraprim?

7 A. Ultimately, that would be the case.

8 MR. MEIER: We can take that down, please.

9 Q. Have you ever heard of a person named Akeel in a then?

10 A. Yes.

11 MR. MEIER: Akeel is spelled A-k-e-e-l.

12 Q. Who is Mr. Mithani?

13 A. Right now?

14 Q. Sure.

15 A. He is business development -- he is in the business
16 development group -- actually, the head of business development
17 now -- at Vyera.

18 Q. And Mr. Mithani is not a chemist, correct?

19 A. I do not believe he is, no.

20 Q. And as far as you know, Mr. Mithani doesn't have any
21 background in pharmaceutical chemistry, manufacturing, or
22 controls, correct?

23 A. As far as I know.

24 Q. And as far as you know, Mr. Mithani doesn't have any
25 background in pharmaceutical regulatory affairs?

LCEKFTC2

Pelliccione - Direct

1 A. Correct.

2 Q. In fact, you don't know what Mr. Mithani's background is
3 other than business development?

4 A. That's correct.

5 Q. And as you said, Mr. Mithani is part of Vyera's business
6 development team, and today, is actually the head?

7 A. Correct.

8 Q. Do you know the circumstances of how Mr. Mithani was hired
9 by Vyera?

10 A. No, I do not.

11 Q. Do you know whether it was Mr. Shkreli who had any role in
12 getting Vyera to hire Mr. Mithani?

13 A. I don't know for sure, no.

14 Q. But you do know that Mr. Mithani eventually became one of
15 the directors of the board of directors for Phoenixus?

16 A. Yes.

17 Q. Did you vote your shares in Phoenixus to put Mr. Mithani on
18 the board?

19 A. I don't recall.

20 Q. Do you know whether Mr. Shkreli voted his shares in
21 Phoenixus to put Mr. Mithani on the board?

22 A. I do not.

23 Q. Have you ever heard of a person named Kevin Mulleady?

24 A. Yes.

25 Q. Who is Kevin Mulleady?

LCEKFTC2

Pelliccione - Direct

1 A. I do not know what he does now, but back several years ago,
2 he was an employee of Vyera.

3 Q. He was actually, at one point, Vyera's CEO?

4 A. Yes.

5 Q. And when Mr. Mulleady was Vyera's CEO, you reported to him?

6 A. Yes.

7 Q. And Mr. Mulleady is not a chemist, is he?

8 A. I don't believe he is, no.

9 Q. And Mr. Mulleady doesn't have any background in
10 pharmaceutical chemistry, manufacturing, and controls?

11 A. I don't believe so.

12 Q. And Mr. Mulleady doesn't have any background in
13 pharmaceutical regulatory affairs?

14 A. I don't believe so.

15 Q. In fact, you don't know what Mr. Mulleady's background is
16 other than business development, do you?

17 A. I don't know that -- I don't know that Mr. Mulleady's
18 background is business development. I do know he has a degree
19 in aerospace engineering, but, other than that, I don't know
20 what his actual role is.

21 Q. Do you know whether Mr. Mulleady was ever part of Vyera's
22 business development team?

23 A. I don't recall that.

24 Q. Do you know the circumstances of how Mr. Mulleady was hired
25 by Vyera?

LCEKFTC2

Pelliccione - Direct

1 A. No, I don't.

2 Q. Do you know whether Mr. Shkreli had any role in getting
3 Vyera to hire Mr. Mulleady?

4 A. No, I do not.

5 Q. Do you know how Mr. Mulleady came to be your boss at Vyera?

6 A. He was made executive director of the company and then
7 ultimately CEO, so, by default, I reported to him.

8 Q. When you say he was made executive director of the company,
9 you mean he was put onto the board of directors?

10 A. No, no. He was -- both Kevin Mulleady and Akeel Mithani
11 were brought in as executive directors, and they were actually
12 running the company together while there was no official CEO,
13 to the best of my recollection.

14 Q. I understand. Okay, thank you.

15 And Mr. Mulleady also eventually became a member of
16 the Phoenixus board of directors, correct?

17 A. I actually don't know that.

18 Q. You don't know? Okay.

19 I'm going to shift topics now. Based on your more
20 than 35 years of experience working in the pharmaceutical
21 industry, would you agree that APIs take time to develop?

22 A. Yes.

23 Q. And based on your experience, it could take two-plus years
24 to develop an API from scratch?

25 A. It depends on the API.

LCEKFTC2

Pelliccione - Direct

1 Q. Sure.

2 Well, what about Daraprim API, if you were developing
3 it from scratch, do you have a sense of how long that would
4 take?

5 A. You mean to be able to use it in a pharmaceutical product?

6 Q. Right.

7 From the time you start the project to the time you
8 can put it into a pharmaceutical product, do you have any idea
9 how long that might take?

10 A. I mean, my best estimation would be that it would take
11 somewhere between 12 and 18 months, at the earliest -- at the
12 low end, and possibly more.

13 Q. Okay.

14 A. It's hard to tell.

15 Q. Sure. Understood.

16 But if you can find somebody with a drug master file
17 on file with the FDA, the process could go quicker, correct?

18 A. If you were to -- yes.

19 Q. Just so we're clear, a drug master file, that's a
20 submission to the FDA used to provide detailed information
21 about facilities, processes, and other articles used in the
22 manufacturing of human drugs?

23 A. Yes.

24 Q. And the term "drug master file" is often abbreviated as
25 capital DMF, correct?

LCEKFTC2

Pelliccione - Direct

1 A. That's correct.

2 Q. Now, there are a number of steps a company needs to take to
3 develop an API, correct?

4 A. Yes.

5 Q. And you've had experience trying to do so, correct?

6 A. Well, I'm not a manufacturing chemist myself, but I've been
7 involved in the development and the things that go into
8 manufacturing an API, yes.

9 Q. Right.

10 I understand you're not a chemist; you're a regulatory
11 affairs person?

12 A. At this point, yes.

13 Q. And you have been involved in that capacity in the
14 development of an API, correct?

15 A. Correct.

16 Q. So the first step, you'd have to procure the raw materials
17 that would be required for the synthetic or the chemical
18 process, correct?

19 A. That would be among the first. First, you'd have to
20 establish the -- you'd have to figure out how to make it, and
21 that would tell you what your starting materials are.

22 Q. Okay.

23 And you have to establish the process and make sure
24 you have the right equipment?

25 A. Correct.

LCEKFTC2

Pelliccione - Direct

1 Q. And you have to be able to do analytical work that's
2 required to develop the specifications and test the product
3 along the way?

4 A. Correct.

5 Q. Until you're able to develop the final product?

6 A. Yes.

7 Q. Are there any other sort of key steps in the process that I
8 missed?

9 A. Those are the major categories.

10 Q. If you wanted to obtain pyrimethamine as an active
11 pharmaceutical ingredient, if somebody wanted to, it would help
12 to reach out to a company that already knows how to make it,
13 correct?

14 A. Yes.

15 Q. And it would help to reach out to a company that has a U.S.
16 DMF?

17 A. That would help, yes.

18 Q. And if you could reach out to a company that already had a
19 U.S. DMF, that would shorten the process to getting approval to
20 make a generic version, correct?

21 A. Yes.

22 Q. So would it be fair, to sort of summarize, that if you were
23 looking for API, your preferences, in order, would be, number
24 one, find an API supplier with a U.S. DMF for the drug product
25 you want to make?

LCEKFTC2

Pelliccione - Direct

1 A. Yes.

2 Q. Number two would be to find an API supplier with a European
3 DMF for the drug product you want to make?

4 A. I would not necessarily go look for a European DMF
5 supplier.

6 Q. I understand.

7 I'm trying to -- I'm actually trying to get more sort
8 of an hierarchy of if you were looking for an API supplier, and
9 you couldn't find one with a U.S. DMF, would a European DMF be
10 the next best substitute?

11 A. I don't know that that would be the case.

12 Q. Okay.

13 Well, what would be the next best? What would you
14 do -- if you were looking for an API supplier and can't find
15 anyone with a U.S. DMF, what would you do next to look for it?

16 A. I would go look at other API manufacturers and see if they
17 can manufacture the API.

18 Q. Well, how would you do that?

19 A. You would send out proposals with information and ask them
20 to reply whether or not they can do this, and then there's
21 other steps after that.

22 Q. So you'd establish some kind of an RFP process?

23 A. More or less, yes.

24 Q. Request for proposal?

25 A. Correct.

LCEKFTC2

Pelliccione - Direct

1 Q. Have you ever heard of the Indian company called RL Fine?

2 A. I've heard of them.

3 Q. And RL Fine is a chemical manufacturer?

4 A. I believe that's correct, yes.

5 Q. And as far as you know, RL Fine makes APIs?

6 A. I believe they do.

7 Q. To the best of your knowledge, did RL Fine ever supply API
8 to Vyera for Daraprim?

9 A. No.

10 Q. Were you involved in any negotiations with RL Fine about a
11 pyrimethamine API agreement?

12 A. No.

13 Q. Is it correct that none of Vyera's senior-most people
14 responsible for science, manufacturing, or regulatory affairs
15 were involved in negotiations with RL Fine about a
16 pyrimethamine API agreement?

17 A. I was not aware of any negotiations with RL Fine about an
18 agreement for pyrimethamine API until, in preparing for this
19 trial, it came up in discussions with my lawyers.

20 Q. Okay. Well, I'm not going to ask you about your
21 discussions with lawyers.

22 A. Right.

23 Q. So it wasn't until preparing for this trial, that you have
24 actually learned that Vyera has a contract with RL Fine or had
25 a contract with RL Fine?

LCEKFTC2

Pelliccione - Direct

1 A. That's correct.

2 Q. All right. I'll move on.

3 Is it fair to say that it's standard procedure for
4 Vyera that you typically have quality agreements with your API
5 suppliers?

6 A. Yes.

7 Q. To the best of your knowledge, did Vyera ever have a
8 quality agreement with RL Fine?

9 A. Not to my knowledge.

10 Q. And Vyera has a standard operating procedure which calls
11 for the audit, roughly, every two to three years of your
12 principal suppliers?

13 A. That's correct.

14 Q. Do you know whether Vyera ever conducted an audit of
15 RL Fine?

16 A. I am not aware of that, no.

17 Q. Do you know whether Vyera's ever hired a third party to
18 conduct a quality audit of RL Fine?

19 A. I am not aware of that, no.

20 Q. And you've never been involved in a quality audit of
21 RL Fine, have you?

22 A. No.

23 Q. Shifting back to Fukuzyu:

24 Fukuzyu has been manufacturing API for Daraprim for a
25 long time, correct?

LCEKFTC2

Pelliccione - Direct

1 A. I believe so.

2 Q. Do you have any idea of how long?

3 A. No.

4 Q. You don't recall that discussion coming up when you visited
5 Japan?

6 A. It may have, but I don't recall.

7 Q. But it's correct, though, that Fukuzyu manufactures API not
8 just for Vyera, but for many other companies around the world?

9 A. API in general or pyrimethamine?

10 Q. Pyrimethamine API. Sorry. Thank you.

11 A. I know they manufacture pyrimethamine API for other
12 companies. I don't know how many.

13 Q. But you do know that they do that for companies all around
14 the world, correct?

15 A. Yes.

16 Q. And Fukuzyu has consistently delivered quality API for
17 Vyera?

18 A. Yes, they have.

19 Q. And you don't have any concerns about Fukuzyu's ability to
20 comply with FDA regulations, do you?

21 A. At this point, no.

22 Q. And Fukuzyu has always provided sufficient pyrimethamine
23 API to meet Vyera's needs?

24 A. Yes.

25 Q. And there's never been a time when Fukuzyu wasn't able to

LCEKFTC2

Pelliccione - Direct

1 provide Vyera with sufficient pyrimethamine, correct?

2 A. That's correct.

3 Q. In fact, Vyera hasn't had any issues with Fukuzyu in terms
4 of supplying Vyera with all the Daraprim it needs, correct?

5 A. With all the API?

6 Q. I'm sorry, with all the Daraprim -- let me start that over.

7 Vyera hasn't had any issues with Fukuzyu in terms of
8 supplying Vyera with all the Daraprim API it needs?

9 A. To this point, that's correct.

10 Q. You personally have never been involved in looking for a
11 second supplier for pyrimethamine API, correct?

12 A. That's correct.

13 Q. And you haven't been involved in looking for a backup
14 supplier for pyrimethamine API, correct?

15 A. That's correct.

16 Q. Why is that? Why haven't you ever been involved in looking
17 for a backup supplier for pyrimethamine API?

18 A. It never crossed my thinking process that we would need a
19 backup supplier for --

20 Q. You didn't think it was necessary?

21 A. -- pyrimethamine API.

22 It's just something that never was discussed, at least
23 with me.

24 Q. Right.

25 So it never occurred to you that it might be necessary

LCEKFTC2

Pelliccione - Direct

1 to get a backup supplier for pyrimethamine API?

2 A. Right. I mean, typically, it's never really necessary to
3 have a backup supplier.

4 Q. Okay. Let's talk a bit about some of your personal
5 interactions with the FDA concerning Daraprim.

6 To the best of your knowledge, has there ever been a
7 shortage of Daraprim in the United States?

8 A. To the best of my knowledge, no, there has not.

9 Well, you mean while with Vyera?

10 Q. Thank you for that clarification. Yes.

11 So let me ask it again, then.

12 To the best of your knowledge, there has never been a
13 shortage of Daraprim in the United States during the time that
14 Vyera has owned Daraprim; is that correct?

15 A. That's correct.

16 Q. Vyera was, however, contacted a couple of times by the FDA
17 about a possible Daraprim shortage, correct?

18 A. That's correct.

19 (Continued on next page)

LCEMFTC3

Pelliccione - Direct

1 Q. When the FTC reached out to Vyera, they actually reached
2 out to you?

3 A. Yes.

4 Q. Let me finish the question.

5 When the FDA reached out to Vyera about a possible
6 shortage of Daraprim, they reached out to you because you were
7 the senior regulatory person, correct?

8 A. If I may clarify, they reach out to me because I'm the
9 official correspondent for the NDA.

10 Q. It happened on at least two separate occasions, correct?

11 A. I believe so, yes.

12 Q. One of them was early on after Vyera acquired the rights to
13 Daraprim from Impax?

14 A. To the best of my recollection, yeah.

15 Q. Again, it might have happened a little more than a year or
16 two ago?

17 A. I believe that's correct.

18 Q. I believe you were contacted by someone from the FDA drug
19 shortages staff?

20 A. That's correct.

21 Q. And the FDA drug shortages staff, they monitor the nation's
22 drug supply to prevent supply shortages or mediate in the event
23 of a shortage, correct?

24 A. Yes.

25 MR. MEIER: Ms. Guy, would you please put up

LCEMFTC3

Pelliccione - Direct

1 Government Exhibit 1002 on the screen.

2 Q. Again, we will go through the same routine. If you could,
3 to the best of your ability, take a look at that and figure out
4 whether you have seen it before and what it is. Then I am
5 going to ask you some specific questions.

6 A. Yes. I'm familiar with it. It's a series of e-mails
7 between myself and Robert Kosko from the FDA about the Daraprim
8 supply.

9 MR. MEIER: Your Honor, I move to admit Government
10 Exhibit 1002 in evidence.

11 THE COURT: Received.

12 (Government Exhibit 1002 received in evidence)

13 Q. So this is several e-mails between you and Robert Kosko at
14 FDA regarding a potential supply issue with Daraprim, correct?

15 A. Yes.

16 Q. And the FDA is asking you about a possible Daraprim
17 shortage or supply issue because IQVIA data showed that the
18 monthly supply for January to March of 2018 had decreased to
19 single digits, correct?

20 A. That was his question, yeah.

21 Q. And IQVIA is spelled capital IQVIA, correct?

22 A. Yes.

23 Q. IQVIA is a data source often used by people in the
24 pharmaceutical industry in the commercial and marketing areas,
25 correct?

LCEMFTC3

Pelliccione - Direct

1 A. Primarily, yes.

2 Q. Did you ever learn why the IQVIA data underreported the
3 sales data for Daraprim causing the FDA to reach out to you?

4 A. Not really.

5 MR. MEIER: Ms. Guy, you can take 1002 down and please
6 put up 1013.

7 Q. Again, if you could take a moment to look at it.

8 A. OK.

9 Q. Does this refresh your recollection?

10 A. Yes.

11 Q. Before I ask you anything substantively about it, have you
12 seen the document marked as Government Exhibit 1013 before?

13 A. Yes, I have.

14 Q. What is Government Exhibit 1013?

15 A. It's an e-mail exchange between me and Anne Kirby
16 regarding, again, further information about the FDA's request
17 about the supply.

18 MR. MEIER: Your Honor, I move to admit Government
19 Exhibit 1013 in evidence.

20 THE COURT: Received.

21 (Government Exhibit 1013 received in evidence)

22 Q. Look at page 1 near the top, the sentencing start with:
23 The inquiry is likely related. Do you see that?

24 A. Yes.

25 Q. This is an e-mail that Anne Kirby is sending to you,

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Pelliccione - Direct

1 correct?

2 A. Yes.

3 Q. Anne Kirby at the time, maybe even today, I am not sure, is
4 the head of commercial operations for Vyera?

5 A. I believe that was the case.

6 Q. When we say commercial operations, what does commercial
7 mean?

8 A. Sales.

9 Q. Sales. OK. Sales of the product.

10 So Ms. Kirby writes: The inquiry is likely related to
11 the business decision we made to block dispense/sales data
12 reported by our distribution partners, not an actual shortage
13 in availability or distribution. Do you see that?

14 A. I do.

15 Q. Does that refresh your recollection as to what the reason
16 was why the FDA was reaching out to you about a possible
17 shortage?

18 A. It recollects, looking at the e-mail now, yes.

19 Q. What do you remember now?

20 A. Just that she told me this. I had really no part in that.

21 Q. I understand.

22 She is telling you that Vyera made a business decision
23 to block Daraprim's sales data that was reported by its
24 distribution partners to IQVIA, correct?

25 A. That is what it says, yes.

LCEMFTC3

Pelliccione - Direct

1 Q. And it was the Vyera business decision to block the
2 Daraprim sales data that was the cause of the FDA's concerns?

3 A. That seems to be the case.

4 Q. Vyera made the business decision to block the data because
5 it wanted to discourage generic competition to Daraprim?

6 A. I don't know why they made the business decision.

7 Q. You never discussed that with Ms. Kirby?

8 A. I don't believe I did, no.

9 Q. Or anybody else?

10 A. Nope.

11 Q. All right. Thank you.

12 MR. MEIER: We can take that down, please.

13 Q. Have you ever heard of a company called Imprimis?

14 A. Yes.

15 Q. What is Imprimis?

16 A. Imprimis is a drug compounding company.

17 Q. What is compounding in the context of the pharmaceutical
18 business?

19 A. Drug compounding is when a company like Imprimis, or even a
20 local pharmacy, takes a drug and makes a dosage form for a
21 particular patient that is not an approved dosage form.

22 Q. Would an example be somebody who has difficulty swallowing
23 a capsule, the pharmacist could turn that into a liquid
24 suspension?

25 A. Yes.

LCEMFTC3

Pelliccione - Direct

1 Q. This would usually done on a patient-by-patient basis?

2 A. It is supposed to be done on a patient-by-patient basis.

3 Q. Are compounders subject to the same GMP quality regulations
4 that a pharmaceutical company like Vyera is?

5 A. No, they are not.

6 Q. So they don't have to meet the same quality standards that
7 Vyera would have to meet?

8 A. That's correct.

9 Q. Do compounding pharmacies have to make application to the
10 FDA for review to get approval?

11 A. No, they do not.

12 Q. In your mind, does that create safety concerns with
13 compounding pharmaceuticals?

14 A. In my mind, it's a potential to create a safety concern.

15 Q. Because you don't know whether the product has impurities
16 in it or could otherwise have been compromised?

17 A. That's correct.

18 Q. You also don't know whether the compounded drug has the
19 right dose of the active pharmaceutical ingredient?

20 A. That's correct.

21 MR. MEIER: Ms. Guy, would you please put Government
22 Exhibit 3208 on the screen.

23 Q. Take a moment to look at that. I am going to actually have
24 Ms. Guy show you the first page too of the letter that's
25 attached. Take a moment.

LCEMFTC3

Pelliccione - Direct

1 A. Yup.

2 MR. MEIER: Ms. Guy, can you show a little bit more of
3 the next -- that's fine. We will show the letter. Put the
4 letter up too.

5 Q. Do you see that?

6 A. I do.

7 Q. Have you seen Government Exhibit 3208 before?

8 A. Yes, I have.

9 Q. What is it?

10 A. It's a letter that Turing wrote to the FDA office of
11 compliance about Imprimis and their practices.

12 Q. Did you write part of this letter?

13 A. Yes, I did.

14 Q. You actually signed this letter, right?

15 A. That's correct.

16 MR. MEIER: Your Honor, I'd like to move to admit
17 Government Exhibit 3208 into evidence.

18 THE COURT: Received.

19 (Government Exhibit 3208 received in evidence)

20 Q. Let's look at the first page of your letter to the FDA,
21 which is actually the third page of the exhibit, the page we
22 are on right now.

23 This is a letter that you sent to the FDA's office of
24 compliance on behalf of Vyera, correct?

25 A. That's correct.

LCEMFTC3

Pelliccione - Direct

1 Q. In it you're basically talking about compounding that was
2 being done by Imprimis, correct?

3 A. Yes.

4 Q. And you have included various information about concerns
5 that Vyera has with compounded pyrimethamine.

6 A. I'm sorry. Say that again.

7 Q. Let me see what I said.

8 You have included various information about concerns
9 about Vyera has with compounded pyrimethamine.

10 A. That's correct.

11 Q. Did you write the entire letter?

12 A. I did not.

13 Q. So some parts of it were written by others?

14 A. Correct.

15 Q. Including by a law firm?

16 A. That's correct.

17 Q. Again, I am not going to go into those details.

18 Did you review the letter before you signed it?

19 A. Yes.

20 Q. Do you agree with the letter's contents?

21 A. I do.

22 Q. Still looking at Government Exhibit 3208 and still looking
23 at the first page, let's go to the statement where it says:

24 Compounded drugs can pose serious health risks for patients.

25 You see that?

LCEMFTC3

Pelliccione - Direct

1 A. I do.

2 Q. Do you believe that to be true?

3 A. Yes.

4 Q. The next sentence you say: Compounded drugs are not FDA
5 approved. Do you see that?

6 A. Yes.

7 Q. What's the relevance of this?

8 A. A compounded drug is not an approved drug product. So it
9 is not under the same strict regulatory oversight as an
10 approved drug.

11 Q. Let's look at the last sentence of this same paragraph, the
12 one that starts with: As a result. Are you with me?

13 A. Yes.

14 Q. It says: As a result, it is not appropriate to use a
15 compounded product in lieu of an FDA-approved, commercially
16 available product unless the compounded drug provides a
17 medically necessary and unavailable drug for a specific
18 patient. Do you see that?

19 A. I do.

20 Q. What's the concern that you are trying to convey to the FDA
21 there?

22 A. Again, this is -- these are products that are not approved.
23 They don't have the same oversight. You cannot necessarily
24 guarantee the quality, the purity, and the fact as to whether
25 or not it has got the right dose, as you mentioned before.

LCEMFTC3

Pelliccione - Direct

1 Q. Let's turn to page 10 of your letter to the FDA, which is
2 actually page 12 of Government Exhibit 3208. There is a
3 paragraph there in the middle where it says compounding drugs.
4 Do you see that?

5 A. Yes.

6 Q. It says: Compounding drugs in the absence of CGMP
7 compliance increased the potential for preparation errors. In
8 addition, the shelf life of compounded drugs is not verified by
9 stability testing, which is required under CGMP, and therefore
10 such products cannot be assumed to retain their strength and
11 purity over time. Do you see that?

12 A. Yes.

13 Q. What's the concern if a product can't retain its strength
14 in purity over time?

15 A. The concern is twofold. It loses its strength. You are
16 not giving the patient the correct dose. So you would
17 underdose if it's losing strength. If the purity isn't
18 maintained, you could be treating the patient with a drug
19 product that has potentially toxic impurities.

20 Q. Dr. Pelliccione, when you communicate with the FDA in your
21 capacity as Vyera's head of regulatory affairs, you always try
22 to be accurate, correct?

23 A. Yes.

24 Q. You don't purposely write anything to the FDA that you know
25 is incorrect or untrue, correct?

LCEMFTC3

Pelliccione - Cross

1 A. To the best of my ability.

2 Q. You have a duty of candor when communicating with the FDA,
3 correct?

4 A. I don't know what you mean by that.

5 Q. I'll move on.

6 When you communicate with the FDA, Dr. Pelliccione,
7 you always try to be honest, correct?

8 A. Yes.

9 Q. Thank you, Dr. Pelliccione.

10 MR. MEIER: Your Honor I pass the witness.

11 CROSS-EXAMINATION

12 BY MR. CASEY:

13 Q. Dr. Pelliccione, I just have some questions to ask you
14 based on your testimony this morning.

15 First of all, you testified about being hired at
16 Vyera. Who hired you to work at Vyera?

17 A. Martin Shkreli.

18 Q. Was Martin Shkreli a participant in the Vyera's
19 relationship with Fukuzyu?

20 A. No.

21 Q. I want to go back to the testimony about the meeting in
22 Japan at Fukuzyu. I believe you said it was September of 2016.
23 Do you recall that?

24 A. October.

25 Q. October of 2016.

LCEMFTC3

Pelliccione - Cross

1 What was the purpose of that meeting?

2 A. We went to Fukuzyu to talk with them about supplying
3 pyrimethamine API for us. We had had a number of
4 communications by e-mail and there seemed to be some hesitancy
5 on the part of Fukuzyu to agree to have us -- to supply API for
6 us. Specifically, actually, the concerns were over Martin's
7 problems that he was having as of, I guess, September 2015.

8 So we thought, and it's always good business practice,
9 to visit your partners. And in Japan it's definitely a good
10 thing to do, to visit your partner and establish a relationship
11 with them. So we really went there to present to them what the
12 overall function and strategy of the company was. We were not
13 only selling Daraprim, but that we were looking into other
14 programs on an R&D basis. That was one of the main reasons we
15 went there.

16 Q. Just so I have the timeline correct, this was in October of
17 2016, correct?

18 A. That's when we went, yes.

19 Q. And the MSA, the agreement between Vyera and Fukuzyu that
20 you were shown this morning, that MSA occurred a couple of
21 months after that, in January of 2017?

22 A. I believe that's correct, yes.

23 Q. Was the purpose of the meeting in Japan in October of 2016
24 to determine whether Fukuzyu was CGMP compliant?

25 A. No, that wasn't the purpose.

LCEMFTC3

Pelliccione - Cross

1 Q. You were asked about a tour that you took of the Fukuzyu
2 facilities. Do you remember that testimony?

3 A. I do.

4 Q. Can you tell the Court a little bit more about that tour
5 and what the purpose of that was?

6 A. Yes. Part of the agenda of the meeting was that we were
7 asked to take a tour. I don't know if we asked specifically,
8 but it was part of the agenda. But the idea was just to see
9 what the plant looked like, to show us their facilities, to get
10 an overall view of what Fukuzyu was all about, because no one
11 from Vyera or Turing at the time had ever been there. It was
12 definitely not a GMP audit.

13 Q. How long did the tour last?

14 A. Less than an hour.

15 Q. Did you consider this tour to be an inspection of the
16 Fukuzyu facility?

17 A. No, we did not.

18 Q. Now, after the MSA was entered in January of 2017, did you
19 have an audit performed of Fukuzyu?

20 A. We did.

21 Q. Did Vyera conduct that audit?

22 A. We had a third party auditor do it for us.

23 Q. Do you remember approximately when that audit took place?

24 A. Off the top of my head, no.

25 Q. Do you know if the audit took place after the MSA was

LCEMFTC3

Pelliccione - Cross

1 entered in January of 2017?

2 A. I believe it was.

3 Q. Now, you were also asked about a QA agreement, quality
4 agreement?

5 A. A quality agreement, yes.

6 MR. CASEY: Can we have DX-444 put up, Justin.

7 Q. Dr. Pelliccione, I am showing you, you can see on the
8 screen there Exhibit DX-444. Do you recognize that?

9 A. Yes.

10 Q. Is that the quality agreement that Vyera and Fukuzyu agreed
11 to on January 27 of 2017?

12 A. Yes.

13 Q. The quality agreement was a separate agreement from the
14 MSA, correct?

15 A. That's correct.

16 Q. There were two agreements entered at roughly the same time
17 in January of 2017, correct?

18 A. Yes.

19 Q. Is it required that the quality agreement be entered or
20 agreed upon on the same day or around the same time as the MSA?

21 A. I don't believe so, no.

22 Q. You were asked about another product that Vyera makes
23 called Vecamyl. Do you remember that testimony?

24 A. Yes.

25 Q. Who provides the API for Vecamyl?

LCEMFTC3

Pelliccione - Cross

1 A. Currently, no one. But in the past it was a company called
2 AMRI.

3 Q. Does Vyera have a contract with AMRI to provide API?

4 A. No. Vyera actually does not own that ANDA. It's owned by
5 another company.

6 Q. You were asked about the exclusivity provision in the
7 contract between Vyera and Fukuzyu. Do you remember that?

8 A. Yes.

9 Q. Was the fact that generic manufacturers could not buy
10 pyrimethamine the reason that Vyera requested exclusivity from
11 Fukuzyu?

12 A. I don't believe that that was the sole reason, no.

13 Q. I'm sorry?

14 A. I don't believe that that was the main reason, no.

15 Q. I want to go back to two exhibits you were shown this
16 morning. The first is GX-1003.

17 MR. CASEY: Can we get that.

18 Q. Mr. Meier asked you questions about this document.

19 MR. CASEY: Could you go to the bottom of the
20 document, the first in time e-mail.

21 Q. This is an e-mail from Mikio Arisawa to you on May 15,
22 2018. The subject is: Need your quick response. Correct?

23 A. That's correct.

24 Q. It was Mr. Arisawa that initiated this question to you, not
25 Vyera initiating the question, correct?

LCEMFTC3

Pelliccione - Cross

1 A. That's correct.

2 Q. What did you understand the reason was for Mr. Arisawa to
3 ask you this question?

4 A. He wanted to know whether or not this company was a
5 Vyera-related company.

6 Q. What was your understanding as to why he wanted to know
7 whether the company was a Vyera-related company?

8 A. I am not sure I know what the specific reason was at that
9 point.

10 Q. Was it Vyera that was concerned about compliance with the
11 contract or was it Fukuzyu that was approaching Vyera having
12 concerns about compliance with the contract?

13 A. It was Fukuzyu approaching us to find out whether or not
14 they were in compliance.

15 MR. CASEY: Could we go to 1005, please. Again, if
16 you could go to the bottom. Yes. Thank you.

17 Q. The first e-mail in time there is Tuesday, November 28,
18 2017 to you. That's from Mr. Arisawa, correct?

19 A. Yes.

20 Q. I think it's on the next page where it's from.

21 A. Yes.

22 Q. Again, this was another circumstance where Fukuzyu was
23 initiating the question to Vyera about compliance with the
24 contract, not the other way around, correct?

25 A. That is correct.

LCEMFTC3

Pelliccione - Cross

1 MR. CASEY: You can take that down, Justin. Thank
2 you.

3 Q. You were asked this morning about DMFs, drug master file.
4 Do you remember that testimony?

5 A. Yes, I do.

6 Q. Does a pharmaceutical manufacturer need to partner with an
7 API supplier with a DMF like Fukuzyu?

8 A. No.

9 Q. What are the other options if the supplier does not have a
10 DMF?

11 A. The other option is to manufacture or have the manufacturer
12 of the API and the whole process included in what's known as
13 module 3 of the NDA, where all the CMC information is provided.

14 Q. Now, you were asked also about a second or backup supplier.
15 Do you remember that testimony?

16 A. Yes.

17 Q. Do you consider a contract with a backup supplier something
18 that is good to have?

19 A. It's a good to have.

20 Q. Can you explain why.

21 A. In the event that you have no supply, such as we currently
22 have in the case of Vecamyl, if you have a backup supplier, you
23 can bring them along and continue -- and keep your supply chain
24 constant.

25 Q. Can you explain for the Court just what you are speaking

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Pelliccione - Cross

1 about with the Vecamyl situation in a little bit more detail.

2 A. Before you asked me who the API supplier was, and AMRI was
3 the API supplier for mecamlamine, which is the API for
4 Vecamyl. They stopped making the API and we are distributing
5 that product. It's a very small distribution, very small
6 patient population. But it's a pretty critical drug for the
7 patients that use it, so we want to keep that drug on the
8 market.

9 So we talked about LGM, who is now the owner of the
10 ANDA for Vecamyl and asked if they were going to pursue -- or
11 if we could pursue finding a new API supplier, and they agreed.
12 So we went out and found a company that will manufacture the
13 API for Vecamyl.

14 Q. What company is that?

15 A. That's Piramal.

16 Q. I think you testified you do not currently have a contract
17 to produce API with Piramal, correct?

18 A. We do have a contract with Piramal. We don't have a
19 contract with AMRI.

20 Q. At the time of the contract with Piramal, did Vyera also
21 have a quality agreement with Piramal?

22 A. We have not finalized the quality agreement.

23 Q. Thank you.

24 In terms of why a backup supplier is helpful, what
25 would be the result if you ran out of API or if your supplier

LCEMFTC3

Pelliccione - Cross

1 couldn't supply it, as in the case of Vecamyl? What's the
2 result of that?

3 A. You would wind up not being able to manufacture any more
4 drug product, and ultimately you would have a drug shortage.

5 Q. When Mr. Meier was asking questions about your negotiations
6 with Fukuzyu, I believe you testified that you had offered to
7 Fukuzyu to buy other API other than the pyrimethamine API, is
8 that correct?

9 A. Actually, we offered that we would want to work with them
10 to manufacture API for new products that we were working on; in
11 other words, new compounds that we were working on in the
12 company through R&D. We didn't have manufacturers specifically
13 for them. So we wanted -- we asked Fukuzyu if they might be
14 interested in manufacturing API.

15 Q. Can you explain for the Court some of those projects that
16 you were seeking or offering API for.

17 A. The one I remember best is what we now refer to as VYR006.
18 That is a compound developed for the treatment of
19 toxoplasmosis. It was developed by Vyera. It's the same
20 mechanism of action as Daraprim, but has different properties,
21 much more specificity. So we were looking to take that product
22 forward as a new treatment for toxoplasmosis.

23 Q. Are there any other projects that you were working on at
24 the time you were negotiating with Fukuzyu?

25 A. They are not jumping into my mind right now. We were

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Pelliccione - Redirect

1 working on Stiripentol, which was another investigational agent
2 we were working on. I don't recall if that was one of the
3 products that we asked them about.

4 MR. CASEY: Your Honor, I neglected to move into
5 evidence document DX-444. Defendant would move into evidence
6 DX-444.

7 THE COURT: Received.

8 (Defendant's Exhibit 444 received in evidence)

9 MR. CASEY: I have no further questions for the
10 witness, your Honor. Thank you.

11 THE COURT: Anything further?

12 MR. MEIER: Very briefly, your Honor.

13 REDIRECT EXAMINATION

14 BY MR. MEIER:

15 Q. Dr. Pelliccione, a moment ago you mentioned a project that
16 Vyera had been working on that was labeled VYR006. Do you
17 recall that?

18 A. Yes.

19 Q. That project has effectively been shelved since
20 approximately October of 2018, correct?

21 A. More or less, yes.

22 Q. In the seven years or so that you've been at Vyera, has
23 Vyera ever successfully launched any new product?

24 A. No.

25 MR. MEIER: No further questions, your Honor.

LCEMFTC3

Pelliccione - Redirect

1 THE COURT: Just give me one second, sir. Thank you.

2 This new treatment for toxoplasmosis that you referred
3 to, that was going to use the same API pyrimethamine or a
4 different API?

5 THE WITNESS: No. It's a completely new chemical
6 entity.

7 THE COURT: So when you were in discussions with
8 Fukuzyu, you were discussing working with them to be the
9 manufacturer of a new API for a new product?

10 THE WITNESS: That was what we were discussing, yes.

11 THE COURT: That was part of the October 2016
12 discussions in Japan?

13 THE WITNESS: That was part of the presentation, yes.

14 THE COURT: Was it your impression that that
15 opportunity had some significance in Fukuzyu's decision making
16 about the contract or MSA that you entered into with them? Did
17 they seem interested in that?

18 THE WITNESS: They were interested, yes.

19 THE COURT: That's the only additional question I
20 have.

21 Did my question suggest any additional questions for
22 you, Mr. Meier?

23 MR. MEIER: No, your Honor. Thank you.

24 THE COURT: Mr. Casey.

25 MR. CASEY: No, your Honor.

LCEMFTC3

Salinas - Direct

1 THE COURT: You may step down. Thank you.

2 THE WITNESS: Thank you.

3 (Witness excused)

4 THE COURT: Give me one second, counsel.

5 Next witness.

6 MR. MEIER: Thank you, your Honor.

7 Unfortunately, as chance would have it, you have would
8 hear from me again. I promise the Court that after today you
9 will be hearing from a lot of my colleagues here.

10 The government calls as its next witness Dr. Eliseo
11 Salinas.

12 THE COURT: Is someone getting Dr. Salinas?

13 Dr. Salinas, thank you.

14 Please take the witness stand. Remain standing.

15 ELISEO ORESTE SALINAS,

16 called as a witness by the Plaintiffs,

17 having been duly sworn, testified as follows:

18 DIRECT EXAMINATION

19 BY MR. MEIER:

20 Q. Good afternoon, Dr. Salinas.

21 A. Good afternoon.

22 Q. We have never met before, but you have met some of my FTC
23 colleagues at your investigational hearing in September of 2019
24 and at your deposition earlier this year.

25 Just so you know, my name is Markus Meier, and I'm

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1 with the Federal Trade Commission.

2 A. Nice to meet you.

3 Q. Is there anything that might affect your ability to give
4 truthful, complete testimony today?

5 A. No.

6 Q. Just so you know, Dr. Salinas, you may hear from time to
7 time I'll make reference to Ms. Guy, and that's the paralegal
8 that's assisting me, and hopefully the courtroom technology
9 will work and we will be able to pull up some exhibits for you
10 to look at.

11 Dr. Salinas, I'd like to start by talking briefly
12 about your background and experience in the pharmaceutical
13 industry.

14 You joined Turing in June of 2015 as the president and
15 head of research and development, correct?

16 A. Correct.

17 Q. Turing is now called Vyera.

18 A. Yes.

19 Q. In fact, the name changed from Turing to Vyera while you
20 were still at the company, correct?

21 A. I believe so.

22 Q. And the company changed its name in the hope of distancing
23 itself in the public eye from Martin Shkreli, correct?

24 A. Correct.

25 Q. For the purposes of remainder of my examination, when I

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1 refer to Vyera, I also mean the company formerly known as
2 Turing. Do you understand that?

3 A. I do.

4 Q. As president and head of research and development, you were
5 part of Vyera's senior leadership team?

6 A. Yes.

7 Q. And you were also Vyera's interim chief executive officer
8 between April 2017 and July 2017?

9 A. Yes.

10 Q. So you worked for Vyera a little more than two years?

11 A. Yes.

12 Q. Just to bookend those dates, you worked at Vyera before it
13 purchased the rights to Daraprim, and you left shortly before a
14 jury found Mr. Shkreli guilty of securities fraud, correct?

15 A. Correct.

16 Q. Do you have a medical degree?

17 A. I do.

18 Q. You specialize in psychiatry and pharmacology?

19 A. Correct.

20 Q. Pharmacology is the study of how drugs work in the body?

21 A. Yes.

22 Q. You are still a practicing physician?

23 A. No.

24 Q. You're mostly a research scientist?

25 A. Yes.

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1 Q. And you have worked in the pharmaceutical industry for
2 about 30 years?

3 A. Over 30 years.

4 Q. Over. Thank you.

5 You've primarily worked in the areas of pharmaceutical
6 research and development, correct?

7 A. Correct.

8 Q. When you first started working at Vyera, you reported to
9 Martin Shkreli?

10 A. Yes.

11 Q. And Mr. Shkreli was the chief executive officer at the
12 time?

13 A. Yes.

14 Q. And is it correct that Mr. Shkreli personally recruited and
15 hired you?

16 A. Yes.

17 Q. And you met with Mr. Shkreli as part of the interview
18 process when you were considering taking the job?

19 A. I did.

20 Q. And Mr. Shkreli interviewed you.

21 A. He did.

22 Q. When you and Mr. Shkreli both worked at Vyera, you would
23 meet periodically with Mr. Shkreli?

24 A. Very often.

25 Q. Could give me approximately how frequently? Are we talking

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1 about daily, weekly?

2 A. At least weekly.

3 Q. When you and Mr. Shkreli both worked at Vyera, you would
4 speak with him periodically, even if you didn't meet with him,
5 correct?

6 A. Yes.

7 Q. Can you give us approximately how frequently did you speak
8 with Mr. Shkreli?

9 A. It was weekly. Most of our interactions were one on one,
10 person to person, weekly.

11 Q. You said most of the time when you had your weekly
12 meetings, it would just be you and Mr. Shkreli?

13 A. Correct. There were also meetings with the rest of the
14 executive team and other people in the company. But because of
15 my position, I had weekly interactions, one on one with him.

16 Q. Weekly interaction one on one was in addition to senior
17 leadership team meetings?

18 A. Yes.

19 Q. When you and Mr. Shkreli both worked at Vyera, you
20 exchanged e-mails with each other?

21 A. Yes. Not many. My recollection is that most of our
22 contacts were those weekly one-on-one interactions.

23 Q. Did you ever hear Mr. Shkreli talk about the business model
24 he used at a pharmaceutical company called Retrophin before he
25 started Vyera?

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1 A. Not specifically. He had -- I knew he was in conflict with
2 his previous company and the topic of his previous company did
3 not come up often in my discussion with him.

4 Q. In any of your meetings leading up to you joining Vyera or
5 after Vyera, did Mr. Shkreli ever explain to you Vyera's
6 business model?

7 A. Yes.

8 Q. Do you recall hearing Mr. Shkreli describe the business
9 model in the following way? First, you try to identify drugs
10 that are the gold standard of care, that you like to look for
11 drugs that are the gold standard of care. Is that something
12 that Mr. Shkreli discussed with you?

13 A. No.

14 Q. Did he ever talk to you about looking for drugs that have a
15 small patient population?

16 A. No.

17 Q. Do you ever recall Mr. Shkreli saying that you try to
18 acquire the drug that only has one manufacturer?

19 A. No.

20 Q. Or that has no immediate generic competition?

21 A. No.

22 Q. Did you ever hear Mr. Shkreli talk about the business model
23 that you tried to control access to the drug through a closed
24 distribution system?

25 A. No.

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1 Q. Even if you never heard Mr. Shkreli say anything about a
2 closed distribution system, did you see him do this with
3 Daraprim?

4 A. Yes.

5 Q. Even though you never heard Mr. Shkreli describe the
6 business model that you look for drugs that serve a small
7 patient population, did you see Mr. Shkreli actually do that?

8 A. Not uniquely.

9 Q. What do you mean by that?

10 A. We had -- Turing had a number of research programs, some of
11 them in very large indications, like depression, for example,
12 which is a very large indication. Others were aware. But the
13 business model was not presented with focusing on rare
14 diseases. I have worked in other companies that do focus on
15 rare diseases, but it was not presented to me as such.

16 Q. Thank you.

17 Do you ever recall hearing Mr. Shkreli describe the
18 business model with words to the effect that you raise the
19 price of the drug significantly to maximize profits?

20 A. Only after the acquisition of Daraprim explaining his
21 decision.

22 Q. Even if you never heard Mr. Shkreli say that this was part
23 of the business model, you actually saw them do this with
24 Daraprim, correct?

25 A. I saw him doing this with Daraprim, yes.

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1 Q. During the time you worked at Vyera, almost all of the
2 companies' revenues came from the sales of Daraprim, correct?

3 A. No, not exactly.

4 Q. Where did they come from?

5 A. There were two periods in the company, before and after
6 Daraprim. I joined the company before the acquisition of
7 Daraprim, when the company had raised almost like 60 or \$70
8 million in investor funds. That was the business model then,
9 raising money from investors. He did present the acquisition
10 of marketed products at the end of their commercial life as a
11 way of getting additional revenue so we wouldn't have to go too
12 often and raise money from investors. He had done that with
13 Vecamyl, who was an acquisition with a very small patient
14 population that would bring additional revenues to the company.
15 But when I was hired, the main source of income of the company
16 was the money from investors.

17 Q. Thank you for that clarification.

18 I want to focus on just the period after Daraprim was
19 acquired. Do you follow that?

20 A. I do.

21 Q. In the period after Daraprim was acquired by Vyera, would
22 it be fair to say that almost all the companies' revenues came
23 from the sales of Daraprim?

24 A. Yes.

25 Q. In that same period after acquisition of Daraprim, almost

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1 all the company's profits came from the sales of Daraprim?

2 A. Yes.

3 Q. After that period your salary at Vyera came mostly from the
4 sales of Daraprim?

5 A. Presumably, yes.

6 Q. What was your highest annual salary when you worked at
7 Vyera?

8 A. I believe it was \$600,000.

9 Q. That was back in 2017 or 2016?

10 A. No. That would have been when I was hired. I was hired
11 with that salary.

12 Q. In addition to your salary, you typically received a bonus?

13 A. Yes. Well, I did not. But the idea was that I would.

14 Q. So did you ever receive a bonus?

15 A. I don't think so, no. I am not sure about that. I don't
16 think so, but I'm not positively sure.

17 Q. Would it be fair to say that as the chief scientist and
18 being familiar with the research and development pipeline of
19 the company in 2017, that you believe that Vyera would need to
20 continue to rely almost exclusively on Daraprim revenue for at
21 least two to four more years?

22 A. It was my hope that would not be the case.

23 Q. You thought that it might be, depending on how well the
24 research and development projects went?

25 A. And how well we could attract additional investors or the

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1 regional investors to continue supporting the company.

2 Q. Again, putting yourself back into 2017, during that time
3 period, you believed, though, that it was possible that in
4 order for Vyera to continue it would need to rely on revenues
5 from Daraprim sales for anywhere from two to four years?

6 A. Yes.

7 Q. You worked at Vyera when Mr. Shkreli raised price of
8 Daraprim by 4,000 percent?

9 A. I don't recall if it was exactly 4,000 percent, but it was
10 an enormous increase, yes.

11 Q. Did you ever hear Mr. Shkreli say words to the effect that
12 he should have raised the price of Daraprim even higher?

13 A. I don't recall that. But I would have not been surprised
14 by him saying that.

15 Q. Did you ever hear Mr. Shkreli say words to the effect that,
16 I could have raised the price of Daraprim even higher and made
17 more profits for our shareholders?

18 A. I don't recall exactly, no.

19 Q. While working at Vyera, you were a shareholder in the
20 parent company Phoenixus, correct?

21 A. I received shares as part of my compensation, so, yes,
22 technically, yeah, I was a shareholder.

23 Q. In March of 2017, you owned about 20,000 shares of
24 Phoenixus?

25 A. It sounds right, but I don't recall the details.

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1 Q. Did you hold the voting rights to those shares?

2 A. Yes, I did.

3 Q. Did Mr. Shkreli hold the voting rights to any of your
4 shares?

5 A. No.

6 Q. It was Mr. Shkreli that made the decision to increase the
7 list price of Daraprim to \$750 a tablet, right?

8 A. Yes.

9 Q. And you've called that Daraprim price increase "excessive."

10 A. I did.

11 Q. You have called that Daraprim price increase "crazy."

12 A. I did.

13 Q. And you have called that Daraprim price increase
14 "irresponsible."

15 A. I did.

16 Q. And you have called that Daraprim price increase
17 "careless"?

18 A. I did.

19 Q. And you have called that price increase the poster child of
20 everything that is considered wrong about the pharmaceutical
21 industry, correct?

22 A. Correct.

23 Q. Let's shift gears and talk a little bit about Daraprim, the
24 product. It was first approved by the FDA in 1953?

25 A. Correct.

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1 Q. It's used to treat toxoplasmosis?

2 A. It is.

3 Q. And toxoplasmosis is a potentially serious parasitic
4 infection?

5 A. Yes.

6 Q. Is Daraprim considered the gold standard treatment for
7 toxoplasmosis?

8 A. Not everywhere, but some people do consider it the gold
9 standard.

10 Q. Do you consider it to be the gold standard treatment for
11 toxoplasmosis?

12 A. I do.

13 Q. Did you ever hear Mr. Shkreli refer to Daraprim as the gold
14 standard treatment for toxoplasmosis?

15 A. I don't recall.

16 Q. Have you ever heard of a product called Bactrim?

17 A. I did.

18 Q. What is Bactrim?

19 A. Bactrim is another antibiotic. It's a combination product
20 that acts on a number of infections, including toxoplasmosis.

21 Q. Do you believe that Bactrim is medically inferior to
22 Daraprim for the treatment of toxoplasmosis?

23 A. I do.

24 Q. You believe Bactrim is medically inferior to Daraprim
25 because not enough of the drug reaches the brain or the retina,

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1 which are key areas of active toxoplasmosis infection?

2 A. I do.

3 Q. The generic version of Bactrim is also known as TMP-SMX?

4 A. Correct. That's the two drugs, abbreviation of the two
5 drugs that made the combination called Bactrim.

6 Q. I can't pronounce those, so I am not going to try.

7 You believe that TMP-SMX also is medically inferior to
8 Daraprim for the treatment of toxoplasmosis?

9 A. I do.

10 Q. Do you believe that compounded pyrimethamine products can
11 pose safety concerns for patients?

12 A. It depends how they are compounded.

13 Q. Do you also believe that compounded pyrimethamine is
14 medically inferior to Daraprim for the treatment of
15 toxoplasmosis?

16 A. No, I don't.

17 Q. Thank you.

18 MR. MEIER: Ms. Guy, would you please put Government
19 Exhibit 1075 on the screen.

20 Q. The way this is going to work, we will put the document on
21 the screen, have you just take a look to see whether you are
22 familiar with it. I am going to ask you, have you seen it
23 before and what is it? Then we will go through it.

24 A. OK.

25 Q. Let me first ask, have you seen Government Exhibit 1075

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1 before?

2 A. Yes, I have. Can I move the screen a little bit?

3 Q. Hopefully without a plug falling out. If you need to see
4 it better.

5 A. That's OK. Thank you.

6 Q. Perfect.

7 Have you seen the e-mail that's been marked as
8 Government Exhibit 1075 before?

9 A. I have.

10 MR. MEIER: Could we quickly look at the second page
11 of the exhibit, which is the first page of a letter.

12 Q. Do you see that letter there?

13 A. I do.

14 Q. Have you seen that before?

15 A. I have.

16 Q. What is the letter?

17 A. It's a letter I wrote to the directory of two medical
18 associations alerting them about what a compounding group was
19 doing.

20 MR. MEIER: So at this point, your Honor, I would move
21 to have Government Exhibit 1075 admitted.

22 THE COURT: Received.

23 (Government Exhibit 1075 received in evidence)

24 Q. So we are looking at the letter now, which starts on the
25 second page of the exhibit. And, again, you wrote this letter,

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1 correct?

2 A. I did.

3 Q. Looking at the top of the first page of the letter, you
4 sent this letter to actually three different doctors, correct?

5 A. Correct.

6 Q. One of the doctors is a Dr. Bakken, correct?

7 A. Yes.

8 Q. That was to Dr. Bakken in his capacity as the president of
9 an organization known as IDSA.

10 A. Correct.

11 Q. IDSA stands for the Infectious Disease Society of America.

12 A. Yes.

13 Q. The next recipient is Carlos Del Rio, who is the chair of
14 HIVMA, correct?

15 A. Correct.

16 Q. And HIVMA is the HIV Medical Association.

17 A. Yes.

18 Q. The third person is Janet Gilsdorf, Dr. Gilsdorf, who is
19 the president of FPIDS and PIDS, correct?

20 A. Correct.

21 Q. And PIDS stands for Pediatric Infectious Disease Society?

22 A. Yes.

23 Q. Would it be fair to say that these three organizations
24 represent the physicians most likely to treat patients with
25 toxoplasmosis?

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1 A. The one left out would be the ophthalmologist that is in
2 fact the most common form. But these would represent the ones
3 that treat toxoplasmosis encephalitis associated with the HIV
4 infection.

5 Q. Toxoplasmosis encephalitis is the toxoplasmosis in your
6 brain?

7 A. Correct.

8 Q. As opposed to ocular, which is in your eye?

9 A. Yes.

10 Q. These three organizations are the ones that represent the
11 physicians most likely to treat patients with toxoplasmosis
12 encephalitis?

13 A. In general, yes.

14 Q. These three organizations represent the physicians most
15 likely to prescribe Daraprim for toxoplasmosis encephalitis?

16 A. Yes.

17 Q. If we could just turn very quickly to page 4 of the letter.
18 I just want to ask you if that is your signature.

19 A. It is.

20 MR. MEIER: We are going to go back to the first page
21 and the first sentence. Ms. Guy is going to blow that up so we
22 can see this a little bit better.

23 Q. Do you see where it says I am writing?

24 A. I do.

25 Q. It says: I am writing to you today to call to your

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1 attention our concerns regarding your endorsement of the
2 partnership between Imprimis Pharmaceuticals and Express
3 Scripts to make available a new unapproved drug combination for
4 the treatment of toxoplasmosis. Do you see that?

5 A. I do.

6 Q. In this letter you're letting the heads of the nation's
7 leading infectious disease organizations know that Vyera
8 doesn't believe that Imprimis' compounded pyrimethamine product
9 is an acceptable substitute for Daraprim, correct?

10 A. No. I didn't believe that. I don't know if Vyera believed
11 or not. I didn't believe that. Yeah. I know that they were
12 in agreement with me, but that was my belief.

13 Q. But you're sending this on behalf of Turing, correct?

14 A. Correct.

15 Q. You sent this on Turing letterhead?

16 A. Yes.

17 Q. You sent it in your capacity as the top science person at
18 Turing?

19 A. Correct.

20 Q. This was not a personal letter you were sending?

21 A. No. I meant to say that these represent my views. Someone
22 in the company asked me to write a letter, and I wrote a
23 letter.

24 Q. You had the authority to send this letter?

25 A. Correct.

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1 Q. Let's turn to page 2 and there is a bolded heading there
2 that says "promoting an unapproved drug." Do you see that?

3 A. I do.

4 Q. Let me see it myself here.

5 A. Can I make a clarification?

6 Q. If you need to.

7 A. You asked me before if I thought that a compounded product
8 was inferior, and I said no. But these refer to a type of
9 compounding that is not the typical compounding. This is the
10 first to the compounding that is done before a patient comes
11 with a medical need. The compounding that is done, a priority.
12 That was the essence of my letter.

13 Q. So if I understand that clarification, you're drawing a
14 distinction between the type of compounding Imprimis is doing
15 and the kind of compounding a doctor might request for a
16 specific patient who needs a specific compounded drug because
17 of some specific condition they had, like difficulty
18 swallowing?

19 A. Correct. That would not be, in my opinion, inferior. This
20 was, in my opinion.

21 Q. Sort of mask compounding, if you will, sort of mask
22 producing compounded product, correct?

23 A. Yes.

24 Q. I appreciate that distinction.

25 What are you trying to convey to the three heads of

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1 the largest infectious disease organizations in America in this
2 paragraph here where you're talking about promoting an
3 unapproved drug?

4 A. My belief was that they underestimate the negative
5 consequences of what Imprimis was doing. I believe that they
6 were honestly concerned about patient safety and access to
7 drugs. But because probably they were not familiar with the
8 details of compounding, they underestimated certain aspects
9 that, in my opinion, were important to consider.

10 Q. What would some of those aspects be that you thought were
11 important to be considered?

12 A. One is the fact that compounding done this way is not
13 regulated by the FDA. That's one.

14 The second was that that is a fixed dose compounded in
15 many cases because they were compounding Daraprim with
16 Leucovorin, which is another medication you could take with
17 Daraprim. And because it was, to use your term, it was mask
18 compounding. They were using a fixed combination.

19 My recollection is, there were at least two risks.
20 One was the fact that the combination, flexible dosing of one
21 and the other component were not contemplated and, two, that a
22 drug for a life-threatening disorder would be manufactured
23 outside the regulatory purview of the FDA.

24 Q. If I understood correctly, to put it in my nontechnical
25 terms, you were concerned that Imprimis was sort of making a

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1 one-size-fits-all form of Daraprim and Leucovorin and
2 individual patients actually need different balances of that?

3 A. Yes.

4 Q. That could create medical issues for the patient?

5 A. Yes.

6 Q. And safety issues?

7 A. Yes.

8 Q. That's what you are trying to convey here to these heads of
9 these various infectious disease organizations?

10 A. Yes. Along with the regulatory aspect that is not an
11 approved drug. My recollection is I was focusing on the
12 medical aspects of the problem beyond the legal one.

13 Q. Understood. In fact, to pick up on that point, the FDA has
14 made no finding that Imprimis' compounded product as safe or
15 effective in treating toxoplasmosis, correct?

16 A. Correct.

17 Q. Let's move to another part of page 2 of your letter. There
18 is a bolded heading that says unsafe manufacture. Do you see
19 that?

20 A. I do.

21 Q. Would it be fair to say that in the part about unsafe
22 manufacturing you're pointing out that Imprimis' manufacturing
23 facilities have been cited by the FDA for violations of current
24 good manufacturing practices?

25 A. Yes.

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1 Q. Let's go to page 3, the third paragraph, which is still
2 talking about unsafe manufacturing. You write: Compounding
3 drugs in the absence of CGMP compliance increases the potential
4 for errors in manufacturing the product. In addition, the
5 shelf life of compounded products is not verified by stability
6 testing, which is required under CGMP, and therefore such
7 products cannot be assumed to retain their strength and purity
8 over time. Do you see that?

9 A. I do.

10 Q. Why is that?

11 A. Excuse me. Why is what?

12 Q. Why is this true? What are you trying to convey here?

13 A. The pharmaceutical business is the most heavily regulated
14 business, and it should be that way with life-saving
15 medications or medications that can put patients at risk if
16 they are not appropriately controlled. In my 30 years in
17 industry I have seen an increase, a tightening of the
18 regulations. As a consumer and a patient, I think that's a
19 good thing. That's a good thing.

20 The lack of oversight in the manufacturing of a
21 life-saving medication struck me as something that was not
22 right.

23 Q. Is there a risk to patients' health from compounded
24 pyrimethamine, potentially?

25 A. Well, for example, if the doze of Leucovorin is

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1 inappropriate, yes, there are serious consequences that can
2 arise from that.

3 Q. What's the risk to a patient's health if a product such as
4 compounded pyrimethamine doesn't retrain its strength and
5 purity?

6 A. Two. Number one, but might not be as effective, treat the
7 underlying condition and, number two, is that it can pose
8 safety risks. The mechanism of action of Daraprim is to
9 inhibit, to block the activity of an enzyme called DGHR, which
10 is necessary for the parasite, but also for the patient.

11 That's why Leucovorin is given, so that the blocking of that
12 enzyme kills the parasite, but not the patient. So having an
13 inadequate dose of Leucovorin could represent serial risks for
14 the patient.

15 Q. Thank you.

16 MR. MEIER: Ms. Guy, you can take Government Exhibit
17 1075 down.

18 Q. Let's talk about your role in Vyera's efforts to enter into
19 an exclusive supply agreement with the Japanese API supplier
20 called Fukuzyu.

21 My first question is, you were involved in Vyera's
22 efforts to enter into an exclusive API supply agreement with
23 Fukuzyu, correct?

24 A. Yes.

25 Q. And Fukuzyu is a Japanese API supplier that had been

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1 producing pyrimethamine since around 1966.

2 A. I believe so. I don't mean to correct you, but I call it
3 Fukuzyu because that is the way I know it always. I will refer
4 to them that way.

5 Q. I appreciate that. You've been to Japan. I haven't. But
6 I'm so locked in on Fukuzyu, I am going to keep saying it that
7 way and I apologize.

8 Fukuzyu held a U.S. drug master file for pyrimethamine
9 API, correct?

10 A. Correct.

11 Q. And what is a drug master file or DMF?

12 A. It's a document that is filed with regulatory authorities
13 that describe the processes and procedures of the manufacturer
14 of API that allowed the regulator to conduct audits.

15 Q. You personally went on the trip to Japan in 2016 to meet
16 with Fukuzyu?

17 A. I did.

18 Q. And you went with two other people from Vyera who worked
19 with you on science, regulatory, and manufacturing issues for
20 Vyera?

21 A. I did.

22 Q. And no one from Vyera's business development team visited
23 Fukuzyu in Japan with you in 2016, correct?

24 A. Correct.

25 Q. As part of your visit to Japan you toured the plant where

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1 Fukuzyu makes the API?

2 A. Yes.

3 Q. And you were part of the team at Vyera that was responsible
4 for getting the agreement with Fukuzyu to supply Vyera with
5 pyrimethamine API, correct?

6 A. Yes.

7 Q. It was Vyera that first raised the issue of including an
8 exclusivity provision in the supply agreement with Fukuzyu?

9 A. I am not sure what you mean by first.

10 Q. I mean, Fukuzyu didn't say to you: We want that in the
11 contract. You said to them: We want it in the contract?

12 A. Correct. It was our demand, yes.

13 Q. It was Vyera that first raised the issue of including
14 exclusivity?

15 A. Yes.

16 Q. To the best of your knowledge, would Fukuzyu have been
17 willing to supply Vyera with API for Daraprim even without the
18 exclusivity provision?

19 A. Yes.

20 MR. MEIER: Ms. Guy, would you please put up
21 Government Exhibit 1056 on the screen.

22 Q. Again, Dr. Salinas, I am just going to ask you to take a
23 moment to look at it, get yourself familiar with it.

24 A. I don't remember this e-mail.

25 Q. You remember it?

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1 A. Yes.

2 Q. Let me just ask you, have you seen the e-mail chain marked
3 as Government Exhibit 1056 before?

4 A. Yeah. I can see the number. The e-mail in the screen,
5 yes, I have seen it.

6 Q. What is it?

7 A. It's an exchange between Mikio Arisawa and myself, copied
8 to Nick Pelliccione, where Mikio Arisawa was asking me -- he
9 was preparing for a meeting with Mr. Kosugi, the CEO of
10 Fukuzyu, and Mikio Arisawa was asking me whether the ideas --
11 he was going to mention were OK or not.

12 MR. MEIER: Your Honor, at this time I move to admit
13 Government Exhibit 1056 in evidence.

14 THE COURT: Yes. Received.

15 (Government Exhibit 1056 received in evidence)

16 THE COURT: We are going to break for lunch. We will
17 resume at 2:00. Thank you.

18 (Luncheon recess)
19
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23
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Salinas - Direct

AFTERNOON SESSION

2:05 p.m.

THE COURT: I'm sorry that I am a little late.

Is the witness ready to retake the stand?

MR. MEIER: Yes, your Honor.

THE COURT: Thank you.

Counsel, you may resume.

MR. MEIER: Thank you, your Honor. When we took the lunch recess we were just starting to look at Government Exhibit 1056.

And Ms. Guy has pulled that back up for us. I believe it had just been admitted.

Q. Let me pick up there and ask you, again, Dr. Salinas, just to refresh your recollection by taking a quick look at what's on the screen, and then I'll direct you to some specific passages.

A. I remember this e-mail.

Q. In this time frame, 2016, in this e-mail chain, would it be fair to say that you were advising Mr. Arisawa on negotiation strategy to get Fukuzyu to agree with the agreement that you all eventually entered with Fukuzyu?

A. In broad terms, yes.

Q. In broad terms this includes the discussion about getting the exclusivity provision?

A. Yes.

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Salinas - Direct

1 Q. One of the things you advised Mr. Arisawa to emphasize was
2 that Vyera sought to establish a long-term relationship with
3 Fukuzyu and work together on multiple development projects,
4 correct?

5 A. It's not in this part of the e-mail which is on the screen,
6 but I remember something along those lines, yes.

7 Q. Let's take a look at page 2 of Government Exhibit 1056. I
8 am going to point you to bullet point number 4, the one that's
9 got --

10 A. I'm seeing it now.

11 Q. Do you see that now?

12 A. I did a second ago. Now it disappeared again.

13 Q. Point number 4 says in all caps: Our plans are only
14 possible if we have exclusivity for Fukuzyu's API. Do you see
15 that?

16 A. No. I see an error message that said input signal not
17 found. Check the video cable and video source. Now black
18 screen.

19 Now, it's back. I am seeing now the exhibit on the
20 screen.

21 Q. Let's hope that it will participate and cooperate the rest
22 of the afternoon.

23 It says in all caps: Our plans are only possible if
24 we have exclusivity for Fukuzyu's API. Do you see that?

25 A. I do.

LCEMFTC3

Salinas - Direct

1 Q. Do you recall that this is actually a sentence that you
2 wrote?

3 A. Yes. I believe in the first part of the e-mail I said -- I
4 added my comments in capital letters. This is in all capitals.
5 I remember the concept.

6 Q. Just to reset the situation, the situation at this point
7 is, Vyera and Fukuzyu have not entered the master services
8 agreement yet but are in negotiations of that agreement.

9 A. Yes. My group discovered in early 2016 that there was no
10 supply agreement with anybody, and we were very concerned about
11 that because our plans, our research plans and our commercial
12 plans for Daraprim --

13 THE COURT: Excuse me one second.

14 Mr. Zach, is that you back there?

15 MR. ZACH: It is, your Honor.

16 THE COURT: I will ask my law clerk to get
17 Mr. Whertvine.

18 So sorry to interrupt. I have a 30-second piece of
19 business I need to do.

20 (Recess)

21 THE COURT: Resuming.

22 Q. Dr. Salinas, we were just starting to look at the content
23 of Government Exhibit 1056, and we were looking at this
24 provision number 4 which says: Our plans are only possible if
25 we have exclusivity for Fukuzyu's API.

LCEMFTC3

Salinas - Direct

1 I believe you testified that that is a sentence you
2 wrote because you wrote the sentences in all caps, correct?

3 A. Correct.

4 Q. Other parts of this page that we are looking at, they were
5 actually written by Mr. Arisawa?

6 A. Yes, I believe -- yes.

7 Q. In some places Mr. Arisawa puts something in parenthesis in
8 order to indicate that he wasn't a hundred percent sure whether
9 you wanted him to make that point or not when he spoke with
10 Fukuzyu, correct?

11 A. Correct.

12 Q. Number 6 is one of these provisions in parenthesis and it
13 says: If generic products are put on the U.S. market, Turing
14 will face a serious problem, and may eventually terminate the
15 marketing of Daraprim, as well as R&D in toxoplasmosis. Do you
16 see that?

17 A. I do.

18 Q. Mr. Arisawa was looking for your guidance on whether he
19 should raise this point with Fukuzyu, correct?

20 A. Correct.

21 Q. Do you remember whether you told him he should or he
22 shouldn't?

23 A. I don't remember. But in the first part of the e-mail I
24 indicate which were the bullet points that, in my opinion, he
25 should retain.

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Salinas - Direct

1 Q. That he should in fact say, meaning he should say that to
2 Fukuzyu?

3 A. Yes.

4 Q. Number 6 is one of those points, correct?

5 A. I don't recall if the brand -- I don't recall if I retained
6 6 or not in the first part of the e-mail.

7 MR. MEIER: What we will do is, we will go back to
8 page 1 and take a quick look at that, Ms. Guy. Upper half of
9 the e-mail.

10 A. I see here. You can retain 6, 9, and 11. So -- I thought
11 6 was pertinent.

12 Q. You're telling Mr. Arisawa, regarding your questions, I
13 think you can mention points 6, 9, 10, and 11, correct?

14 A. Correct.

15 MR. MEIER: Let's go back and look at 6 on page 2.
16 Sorry for the jumping around.

17 Q. Number 6 is one you said: Yes, Mr. Arisawa. You can make
18 this point with Fukuzyu.

19 A. Correct.

20 Q. You wanted to make this point with Fukuzyu because you
21 wanted to make clear that Vyera didn't want generic competition
22 to Daraprim, correct?

23 A. No.

24 Q. That's not correct?

25 A. That's not correct.

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Salinas - Direct

1 Q. Let's look at the top of page 2. Do you see where it says,
2 in summary, we propose a long-term relationship covering all
3 products in our existing pipeline? Do you see that?

4 A. It's not showing on the screen. It's showing development
5 in early 2018 --

6 Q. I'm sorry. I was reading the second sentence, the one that
7 starts at the very end of the first line where it states, with
8 in.

9 A. Yes.

10 Q. Let me try that again. In summary, we propose a long-term
11 relationship covering all products in our existing pipeline.
12 Do you see that?

13 A. I do, yes.

14 Q. That, again, all caps, indicating that you had typed this
15 in?

16 A. Correct.

17 Q. This is the proposal you were having Mr. Arisawa raise with
18 Fukuzyu?

19 A. Correct.

20 Q. You wanted Mr. Arisawa to tell Fukuzyu that you wanted to
21 have a long-term relationship with them?

22 A. Yes.

23 Q. That was in order to make it interesting for Fukuzyu to
24 contract with you, correct?

25 A. Not only that. I knew, because of my work in Japan, that

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1 Japanese companies are interested in very long-term
2 relationships and they don't like to engage for short term. On
3 the one hand, it was good for us because it was secure access
4 to the product and other products in our research pipeline, and
5 I knew it would be interesting for them.

6 THE COURT: Dr. Salinas, I think the answer to the
7 last question could have been the word yes.

8 If you can answer a question fairly with a yes or a
9 no, you should do that. Only when you can't answer fairly with
10 a yes or a no should you add. Thank you.

11 MR. MEIER: Thank you, your Honor.

12 Q. Let me go back to the question then the way I asked it
13 because you said not only that was the first part of your
14 answer. I'll ask the question again. By proposing a long-term
15 relationship, Vyera hoped that Fukuzyu would see -- I'm reading
16 from the wrong place. Now I have lost my place. I apologize.

17 You intended for Vyera's promise of a long-term
18 relationship on other products to be an appealing offer to
19 Fukuzyu?

20 A. Yes.

21 Q. By proposing a long-term relationship Vyera hoped that
22 Fukuzyu would see the benefit of entering into an exclusive
23 agreement with Vyera?

24 A. An agreement that would include exclusivity.

25 Q. Thank you.

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Salinas - Direct

1 MR. MEIER: Ms. Guy, we can take that down.

2 Ms. Guy, would you please put up Government Exhibit
3 1223.

4 Q. Again, Dr. Salinas, if you could just try to take a look at
5 this. I'm actually going to focus you on the next page.

6 MR. MEIER: Let's actually turn to the next page
7 first. Turn to page 2. And about a third of the way down.
8 Thank you.

9 Q. Do you see that?

10 A. I do.

11 Q. So this is part of an e-mail exchange between you and Mr.
12 Arisawa, correct?

13 A. Yes.

14 Q. Cc'g Dr. Pelliccione.

15 A. Yes.

16 Q. And the subject is exclusivity right was obtained.

17 A. Yes.

18 Q. Have you seen this e-mail before?

19 A. Yes. I remember seeing that e-mail.

20 MR. MEIER: Your Honor, I would move to admit
21 Government Exhibit 1223 in evidence.

22 THE COURT: Received.

23 (Government Exhibit 1223 received in evidence)

24 Q. Let's actually start by looking at the earliest e-mail in
25 the chain, which starts at the bottom of page 2, and it's from

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1 Mr. Arisawa to you on November 2, 2016 at 4:10 a.m. Are you
2 with me? Are you there, Doctor?

3 A. Yes.

4 Q. It's a big paragraph, so I'll try to read it slowly.

5 In the first sentence Mr. Arisawa writes to you: I
6 have just finished the discussion with Mr. Kosugi. He agreed
7 to give us the exclusivity, in quotation marks, of
8 pyrimethamine for the U.S. The reason why he did not accept
9 our exclusivity request was based on the fact that Fukuzyu is
10 currently selling pyrimethamine to Pegasus, a company that
11 produces drugs for horses. So theoretically he thinks he
12 cannot use the word exclusivity. I asked if he is willing to
13 sell pyrimethamine to generic companies. The answer is no. I
14 stressed that Turing plans to develop four more new compounds
15 and would like Fukuzyu to work together. Also said was the
16 regular purchase of 50 kilogram every year. He appreciated the
17 comments and looked happy. Do you see that?

18 A. I do.

19 Q. Again, Mr. Kosugi, he was the top person at Fukuzyu at the
20 time?

21 A. Yes.

22 Q. Then at the very end Mr. Arisawa writes: In conclusion,
23 you will get the exclusivity right of pyrimethamine for your
24 territories. Do you see that?

25 A. I do.

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1 Q. You were happy that Fukuzyu agreed to give Vyera an
2 exclusive API supply agreement, correct?

3 A. I was happy they could give us a supply, and I was happy it
4 was exclusive, yes.

5 Q. Thank you.

6 MR. MEIER: We can pull that down, please.

7 At this time I would like you to put up Government
8 Exhibit 1484 on the screen. If we could blow that up. Thank
9 you. Include Dr. Salinas' signature block. Not signature
10 block, but his identification. Thank you.

11 Q. Can you read that, Dr. Salinas, or is it a little bit cut
12 off on the left side?

13 A. I can. Are you asking me to read it out loud.

14 Q. No. Just like I've been doing, I'm going to ask, have you
15 seen this before, and what is it?

16 First, have you seen the e-mail marked as Government
17 Exhibit 1484 before?

18 A. I vaguely remember it, yes.

19 Q. What is it?

20 A. It's me informing the then CEO, Ron Tilles, that Fukuzyu
21 was OK signing an agreement and that we were going to do that
22 imminently.

23 MR. MEIER: Your Honor, at this time I would move to
24 admit Government Exhibit 1484 in evidence.

25 THE COURT: Received.

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1 (Government Exhibit 1484 received in evidence)

2 Q. In the top of the first part of it, after you say hi, you
3 write to Vyera's then CEO, Mr. Tilles: "Just got a call from
4 Mikio that Kosugi-SAN is very happy with the agreement. In
5 particular, the possibility to provide API for our pipeline."
6 Do you see that.

7 A. I do.

8 Q. You're reporting to Mr. Tilles, who was the CEO at the
9 time?

10 A. Yes.

11 Q. And agreement in that sentence means the master services
12 agreement that includes the provision for Fukuzyu to provide
13 pyrimethamine API exclusively to Vyera for human use in the
14 United States?

15 A. Including that and other sections.

16 Q. Understood.

17 So the possibility to provide API for our pipeline,
18 that's a reference to the fact that as part of the negotiations
19 with Fukuzyu, Vyera offered the possibility of ordering other
20 APIs from Fukuzyu in return for the exclusivity provision,
21 correct?

22 A. Not exactly. I think it was --

23 THE COURT: That's fine then. You have answered not
24 exactly.

25 THE WITNESS: Sorry. I'm confused.

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1 THE COURT: You said not exactly. That's an answer.
2 Thank you.

3 MR. MEIER: We can take that exhibit down, Ms. Guy.

4 Q. As part of the negotiations and agreement between Vyera and
5 Fukuzyu, Vyera did not invest any capital in Fukuzyu's
6 manufacturing process for pyrimethamine API, correct?

7 A. To my knowledge at the time I was there, no.

8 Q. And Vyera did not pay for Fukuzyu to expand its capacity to
9 make pyrimethamine, correct?

10 A. I don't know what Fukuzyu did with the monies that were
11 paid, but there was no request, a specific request for
12 expanding capacity.

13 Q. And Vyera didn't provide Fukuzyu with any technical knowhow
14 to develop the manufacturing process for pyrimethamine,
15 correct?

16 A. Correct.

17 Q. Because Fukuzyu already knew how to make it, correct?

18 A. Correct.

19 Q. And Vyera didn't share any intellectual property with
20 Fukuzyu as part of the contract, correct?

21 A. Not about pyrimethamine.

22 Q. Are you familiar with the Indian company called RL Fine?

23 A. Yes.

24 Q. What do you remember about RL Fine?

25 A. What I remember is that when we were looking for a supplier

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1 of API, RL Fine was one of the potential suppliers if we were
2 not able to establish a relationship with Fukuzyu.

3 Q. Other than Fukuzyu and RL Fine, do you remember any other
4 API suppliers of pyrimethamine that you were considering back
5 in 2016, 2017?

6 A. We were looking at all the possible suppliers in the world.
7 So I remember there were others, but I don't recall their
8 names.

9 Q. That's what I'm asking as to whether you recall any other
10 names.

11 A. I recall Ipca, but I don't recall exactly the details about
12 Ipca.

13 Q. Do you recall discussions when you were there at Vyera
14 about whether the company should contract with an API supplier
15 to be the backup supplier for Fukuzyu?

16 A. Very briefly.

17 Q. Did you consider it necessary to secure a backup supplier
18 after you signed the supply agreement with Fukuzyu?

19 A. Not at that time, no.

20 Q. The contract was signed in 2017?

21 A. Correct.

22 Q. And you left the company sometime in mid 2017?

23 A. Correct.

24 Q. Was there any time from the time the company signed the
25 contract with Fukuzyu in 2017, and you left that you considered

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1 getting a backup supplier?

2 A. No. That's what I meant. During those six months I was
3 with the company, after signing the agreement, I did not think
4 it was important at that time for that.

5 Q. Thank you.

6 MR. MEIER: Ms. Guy, would you please put Government
7 Exhibit 1479 on the screen.

8 Q. If you could just take a moment, like you're doing, to
9 familiarize yourself with the cover. Again, I am going ask you
10 to whether you have seen this before and whether you know what
11 it is?

12 A. Yes, I have seen it before and I know what it is.

13 Q. What is it?

14 A. It was a call for an extraordinary general meeting of
15 shareholders to be held in June 2017.

16 Q. As I think you just explained, extraordinary general
17 meeting is a shareholder meeting as opposed to a board meeting,
18 correct?

19 A. Correct.

20 Q. At this time, 21 June 2017, you were Vyera's interim chief
21 executive officer, correct?

22 A. Yes.

23 Q. And you were nominated by the then Phoenixus board to
24 become a board member, correct?

25 A. Yes.

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1 Q. By the time of this board meeting Mr. Shkreli was no longer
2 with Vyera or Phoenixus, correct?

3 A. Yeah. There was no Phoenixus at this time. Yes. Turing
4 or what it became after.

5 Q. I think we talked about that at the very beginning. I was
6 just going to use the term Vyera and Phoenixus, but I
7 understand what you mean. By the time of the extraordinary
8 general meeting, Mr. Shkreli had been arrested for securities
9 fraud and he had resigned as the CEO and he had resigned from
10 the board, correct?

11 A. Correct.

12 Q. Is it correct that the parent company for Vyera, which was
13 then called Turing, is a Swiss corporation?

14 A. Yes.

15 Q. That's why it says Baar Switzerland. That was the Swiss
16 headquarters for Turing Pharmaceuticals AG?

17 A. Yes.

18 Q. AG means essentially a corporation in German?

19 A. I believe so.

20 Q. Under Swiss corporate law, any shareholder with enough
21 shares in Phoenixus can call an extraordinary general meeting,
22 correct?

23 A. I think so, but I don't remember the bylaws.

24 Q. You recall that Mr. Shkreli actually is the person who
25 called for this particular extraordinary general meeting,

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1 correct?

2 A. I believe so.

3 Q. Do you recall that Mr. Shkreli had enough shares in the
4 parent company at the time to call this meeting by himself?

5 A. As I said, I don't remember in detail the bylaws, but I
6 remember that he had the right to call for those meetings.

7 Q. And he called for this particular meeting.

8 A. I believe so. There were several meetings during my tenure
9 that would call and would cancel. I am not sure which one in
10 particular by whom.

11 MR. MEIER: Let's turn to page 2, Roman numeral II.
12 It's down at the bottom of the page. Thank you, Ms. Guy.

13 THE COURT: Is this exhibit in evidence?

14 MR. MEIER: I apologize, your Honor. My apologies. I
15 meant to request that this be moved in evidence. Thank you for
16 the reminder.

17 THE COURT: Received.

18 (Government Exhibit 1479 received in evidence)

19 Q. Looking at agenda item number II it says: Agenda items
20 requested by the Turing Pharmaceuticals, AG board of directors,
21 election of Eliseo O. Salinas, etc.

22 One of the agenda items at this extraordinary general
23 meeting was to nominate a slate of members to the board of
24 directors, correct?

25 A. Correct.

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1 Q. At this meeting do you recall that there were actually two
2 competing slates of nominees for the board?

3 A. I do.

4 Q. The current board at the time had proposed a slate of
5 directors, including you, and Mr. Shkreli had proposed a very
6 different slate of directors, is that correct?

7 A. Correct.

8 MR. MEIER: If we could scroll down a little bit,
9 Ms. Guy. I'm sorry. Turn to page 3 and then where it says
10 proposals, an explanation of the board of directors. Up near
11 the top there is, in italics, proposals and explanations of the
12 board of directors.

13 Q. It says the board of directors proposes that the
14 shareholders fully elect you and the other members that the
15 board had put forward, correct?

16 A. Correct.

17 Q. It also explains in that same paragraph that the board of
18 directors overwhelmingly supports these candidates, as do many
19 of the companies' large investors, due to the vast business
20 experience each has had in the pharmaceutical industry. Do you
21 see that?

22 A. I do.

23 Q. That's a reference to you, Mr. Lavotha and Mr. Berman.

24 A. Yes.

25 Q. Then it actually explains the qualifications, your

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1 qualifications, Mr. Lavotha's and Mr. Berman, correct?

2 A. Correct.

3 Q. I am not going to go and read all of those. We will just
4 leave it at that.

5 MR. MEIER: Let's turn to page 5 of Government Exhibit
6 1479. If we could highlight the top agenda, item number I.

7 Q. That says: Agenda items requested by Martin Shkreli,
8 election of Akeel Mithani, Kevin Mulleady to the board of
9 directors. Do you see that?

10 A. Yes.

11 Q. We talked about Mr. Mithani and Mr. Mulleady earlier this
12 afternoon, correct?

13 A. Not with me.

14 Q. That's right. You are right. That was with
15 Mr. Pelliccione. Thank you.

16 Mr. Shkreli, was he proposing a slate of directors to
17 replace the current board?

18 A. Yes.

19 Q. One of the reasons he gave is, he had informed the board
20 that he was not satisfied with the current board, nor with how
21 the company was being run, correct?

22 A. Correct.

23 Q. And you also thought that Mr. Shkreli wasn't happy with you
24 and what you were doing as the interim CEO, correct?

25 A. Yes.

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1 Q. And, in fact, Mr. Shkreli had been very quote hostile and
2 negative towards you, correct?

3 A. Yes.

4 Q. And he had sent you threatening e-mails, correct? I'm
5 sorry. Threatening mail.

6 A. I remember only one e-mail that was threatening.

7 Q. Mr. Shkreli's threatening mail said you were "a cockroach
8 that needed to be stomped or crushed." Do you remember that?

9 A. I do remember that, yes.

10 Q. And you thought Mr. Shkreli was hostile to you because you
11 did not want him to remain associated with Vyera after he had
12 stepped down, correct?

13 A. That was my belief.

14 Q. Right. That's all I'm asking. You thought Mr. Shkreli was
15 hostile to you because you did not want him to remain
16 associated with Vyera after he stepped down?

17 A. Yes.

18 Q. And you didn't want Mr. Shkreli to have an active role in
19 the company after he stepped down?

20 A. Yes.

21 Q. And it was your impression that Mr. Shkreli wanted to
22 continue to have an active role in the company, even after he
23 stepped down?

24 A. Yes.

25 Q. In fact, Mr. Shkreli wanted to participate in a meeting of

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1 the executive committee after stepping down.

2 A. Yes.

3 Q. And you thought that Mr. Shkreli's proposed slate of
4 directors lacked experience and competence, correct?

5 A. Correct.

6 Q. And the existing board recommended against Mr. Shkreli's
7 proposed slate of board of directors.

8 A. Yes.

9 MR. MEIER: If we could turn to page 6 of Government
10 Exhibit 1479. We are still looking at the extraordinary
11 general meeting notes. If you actually do the very top part,
12 include the very top. Thank you.

13 Q. This is where the board of directors proposes that the
14 proposal of Martin Shkreli be fully rejected, right?

15 A. Right.

16 Q. Then the board gives a number of reasons, correct?

17 A. Correct.

18 Q. Again, I am going to stay away from reading all of it. But
19 one bullet point is a lack of transparency, correct?

20 A. Yes.

21 Q. Do you remember what that was generally about?

22 A. In general terms, that Martin Shkreli was not forthcoming
23 with his reasons for doing what he was doing, and his business
24 relationships with the candidates he was appointing, trying to
25 appoint.

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1 MR. MEIER: If we could go to the second bullet point,
2 Ms. Guy.

3 Q. The second reason the board gave for rejecting
4 Mr. Shkreli's slate was because of what it perceived as undue
5 involvement of Martin Shkreli in the company, correct?

6 A. Correct.

7 Q. We talked a little bit about that a moment ago, at least
8 your perceptions of that a moment ago.

9 A. Yes.

10 Q. Let's look at the second bullet, undue involvement of
11 Martin Shkreli, and go to the fourth line down. I think it's
12 the fourth one. There it is. Thank you.

13 One of the concerns the board had was that Mr. Shkreli
14 publicly holds himself out as speaking for the company when in
15 fact he has no operational or business responsibilities. You
16 see that?

17 A. I do.

18 MR. MEIER: Let's go three lines down. Thank you.

19 Q. There the board explains that as a result of their distinct
20 lack of qualifications, and that's a reference to Mr. Shkreli's
21 slate, correct?

22 A. Yes.

23 MR. RUDOWITZ: Objection, your Honor. This is all
24 hearsay within hearsay.

25 THE COURT: Overruled.

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1 Q. It says: As a result of their distinct lack of
2 qualifications and the fact that they were nominated by
3 Mr. Shkreli and have apparent conflicts of interest further
4 described below, the board believes that in the case of their
5 election, many third parties, including regulatory authorities,
6 will likely deem the newly elected board members to be serving
7 merely as straw men acting on Mr. Shkreli's behalf, and could
8 further deem Mr. Shkreli to be in a position of influence,
9 direct, or control the board and thus the company as well. You
10 see that?

11 A. I do.

12 Q. When it says the company, it's talking about what we have
13 been calling Vyera all day today, right?

14 A. Right.

15 Q. The operating company, the company that owns Daraprim,
16 correct?

17 A. Yes.

18 Q. And the company that you were doing the research and
19 development for, correct?

20 A. Yes.

21 Q. And the company that Mr. Pelliccione works for.

22 A. Yes.

23 Q. As it indicates there, one of the concerns the board had
24 was the lack of qualifications and conflicts of interest.

25 MR. MEIER: If we could go down to the third bullet

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1 point right below where we have been highlighting, Unhighlight
2 and move down. We will talk a little bit about that.

3 Q. If I understand this correctly, a third reason the board
4 gave for opposing the slate Mr. Shkreli had put forward is that
5 the people he had put forward lacked qualifications and they
6 have conflicts of interest, correct?

7 A. Correct.

8 Q. And, apparently, Mr. Shkreli had provided CVs on some of
9 these different individuals, correct?

10 A. Yes.

11 MR. MEIER: Let's go to the next page, please. If I
12 could just focus on Akeel Mithani on the top first.

13 Q. This board meeting is held in 2017, correct?

14 A. Yes.

15 Q. According to the board minutes here or the minutes from the
16 extraordinary general meeting, Mr. Mithani had just graduated
17 three years earlier from college, correct?

18 A. Correct.

19 Q. Do you recall whether he had any background in the
20 pharmaceutical industry?

21 A. My recollection is that he didn't.

22 Q. Do you recall whether he had any experience of holding any
23 kind of a position of responsibility in any kind of company?

24 A. He got some association with the company held by Martin
25 Shkreli, but that's all I knew.

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1 Q. Do you see the last part of the entry there where it says
2 the board believes? Do you see that?

3 A. I do.

4 Q. The board believes that Mr. Mithani's current association
5 with Mr. Shkreli constitute a direct conflict of interest with
6 the company and leaves Mr. Mithani unable to act as an
7 independent board member.

8 Do you have any recollection sitting here today what
9 that conflict of interest was?

10 MR. RUDOWITZ: Objection, your Honor. That statement
11 lacks foundation, personal knowledge.

12 THE COURT: Overruled.

13 A. I believe that Akeel Mithani had some participation in some
14 company that Martin Shkreli had created, a small endeavor, but
15 I don't recall the details.

16 MR. MEIER: I am going to go ahead and move next to
17 the one for Mr. Mulleady. It's sort of in the middle of the
18 page, Kevin Mulleady.

19 Q. Do you see where it says Kevin Mulleady is a former Turing
20 employee and has been associated with Mr. Shkreli for many
21 years. You see that?

22 A. I do.

23 Q. Do you remember what Mr. Mulleady did when he was a Turing
24 employee?

25 A. I remember not knowing what he was doing. He was present

LCEMFTC3

Salinas - Direct

1 in the office, but nobody knew exactly what his role was.

2 Q. Do you recall whether he was part of what was known as the
3 business development group at the time?

4 A. Not exactly, no. He was not part of that group, for as
5 much as I knew.

6 Q. And do you recall that the board had concerns also that
7 Mr. Mulleady had conflicts of interest with Mr. Shkreli?

8 A. Yes.

9 Q. That was because of other business ventures that they were
10 involved in? Is that correct?

11 A. Correct.

12 Q. Do you see where at the end of that block where it says the
13 board believes that Mr. Mulleady is not suitable to serve as an
14 independent member of the board. Do you see that?

15 A. I do.

16 Q. Did you agree with that?

17 A. Yes.

18 MR. MEIER: Let's turn to page 8, please. There is an
19 underlined portion right there. Yes. Perfect.

20 Q. The board wrote this underlined portion: The board is of
21 the opinion that, in light of all of the above-mentioned
22 negative implications for the company, the election of the
23 slate of candidates put forward by Martin Shkreli would be
24 disproportionately risky and outright unreasonable. You see
25 that?

LCEMFTC3

Salinas - Direct

1 A. I did, yes. I'm seeing that.

2 Q. All of this board meeting and this discussion was occurring
3 after Mr. Shkreli had already left the company, correct?

4 A. Yes.

5 MR. MEIER: You can take down Government Exhibit 1479.

6 Q. Let me summarize then. The examining board put forward a
7 slate of what you believe to be competent and experienced
8 people, correct?

9 A. Yes.

10 Q. Mr. Shkreli put forward a slate of directors that lacked
11 experience?

12 A. Yes.

13 Q. And the board strongly recommended against Mr. Shkreli's
14 state of inexperienced directors?

15 A. Yes.

16 Q. But what actually ended up happening?

17 A. The opposite.

18 Q. Which is?

19 A. The majority of the shareholders elected the slate proposed
20 by Martin Shkreli.

21 Q. That's because Mr. Shkreli owned the largest portion of the
22 company?

23 A. I don't know that for a fact. He owned, he was the largest
24 investor, but he needed other investors to vote with them.

25 (Continued on next page)

LCEKFTC4

Salinas - Cross

1 Q. So Mr. Shkreli was successful getting his slate of
2 directors elected even though the existing board viewed them as
3 unqualified?

4 A. Yes.

5 Q. In doing so, Mr. Shkreli demonstrated that if he wasn't
6 happy with the current board of directors, he could change the
7 makeup of the board, correct?

8 A. Yes.

9 Q. And shortly after the meeting in June of 2017, you left the
10 company?

11 A. Yes.

12 Q. And you were replaced by Mr. Mulleady as the chief
13 executive officer?

14 A. Yes.

15 Q. So, in the end, you were out and Mr. Shkreli's people were
16 in?

17 A. Yes.

18 MR. MEIER: Thank you, Dr. Salinas.

19 No further questions, your Honor.

20 CROSS-EXAMINATION

21 BY MR. RUDOWITZ:

22 Q. Good afternoon, Dr. Salinas.

23 A. Good afternoon.

24 Q. My name is AJ Rudowitz. I'm an attorney representing
25 Mr. Shkreli in this action.

LCEKFTC4

Salinas - Cross

1 I believe that you testified earlier that you've
2 worked in the pharmaceutical industry for approximately
3 30 years; is that right?

4 A. A little bit over 30 years.

5 Q. And you've worked for a number of medium and large size
6 pharmaceutical companies, including Wyeth, Shire, and Elan?

7 A. Yes.

8 Q. I believe you also testified that your primary experience
9 has been in the areas of research and development, right?

10 A. Yes.

11 Q. Dr. Salinas, you joined Vyera - I understand it was
12 formerly called Turing, but we'll refer to it as Vyera today -
13 back in June of 2015; is that right?

14 A. Yes.

15 Q. And you were hired as president and head of research and
16 development, correct?

17 A. Correct.

18 Q. I believe you testified earlier that Mr. Shkreli hired and
19 interviewed you for that position?

20 A. Yes.

21 Q. What was it that made you decide to join Vyera?

22 A. The fact that they had the ambition to become an important
23 research company in central nervous system, or CNS, and/or the
24 research and development CNS company, and that they were well
25 funded, they have the means to accomplish that objective, and

LCEKFTC4

Salinas - Cross

1 they have complicated research programs that required, in my
2 opinion, someone with a lot of experience, and that attracted
3 me.

4 Q. I believe you also discussed earlier that you had
5 conversations with Mr. Shkreli concerning Vyera's business
6 model; is that right?

7 A. That's right.

8 Q. What did you understand the role to be of research and
9 development in Vyera's business model?

10 A. The engine that R&D would be the most important thing that
11 we would be doing, that the acquisition of some products at the
12 end of their marketing life would be a supplement of the
13 funding necessary to develop those research programs.

14 Q. As the engine of Vyera, when you were working at Vyera in
15 2015, what types of research and development projects and
16 programs were you working on?

17 A. There were seven or eight. Do you want me to give you a
18 brief summary of each of them?

19 Q. A brief summary would be great.

20 A. There were three, what is called, late stage programs,
21 programs that were likely to become marketed products in a
22 short period of time, two or three years.

23 One was a ketamine program, an intranasal form of
24 ketamine for the treatment of depression and suicide.

25 Another was oxytocin, which was originally a drug

LCEKFTC4

Salinas - Cross

1 intended for lactation, to stimulate lactation in mothers, but
2 we thought about developing oxytocin for CNS conditions like
3 autism and disorders of that nature.

4 Another one was an antiepileptic drug which exist in
5 Europe, but did not at that time in the U.S., called
6 Stiripentol.

7 Those were the three most advanced, and behind those,
8 there were a number of programs for rare CNS disorders in
9 collaboration with different several academic institutions.

10 And then when Turing acquired Daraprim, as a condition
11 of that acquisition, I requested that we did research in
12 toxoplasmosis, and we started doing research in toxoplasmosis,
13 also.

14 Q. Mr. Shkreli left his position as CEO just about six months
15 after you joined the company, in December 2015, right?

16 A. Yes.

17 Q. I know you just mentioned Daraprim. So Vyera acquired
18 Daraprim in August of 2015?

19 A. Yeah, it was the summer, I believe August.

20 Q. I believe you testified earlier that you disagreed with the
21 price increase of Daraprim once Vyera acquired it; is that
22 right?

23 A. Yes.

24 Q. In your experience in the industry, it's true that drugs
25 that affect a rare condition are extremely expensive and can be

LCEKFTC4

Salinas - Cross

1 priced at 300,000, 400,000, or 500,000 dollars per patient per
2 year; is that right?

3 A. Yes.

4 Q. Dr. Salinas, are you familiar with the potential side
5 effects of Daraprim?

6 A. Yes.

7 Q. If a toxoplasmosis patient takes too much Daraprim, what
8 are the side effects?

9 A. Daraprim inhibits the action of an enzyme that is necessary
10 for the cells of the patient to regenerate, so it affect our
11 bone marrow, which produces the blood cells, which is one of
12 the most active tissues regenerating constantly. So Daraprim
13 could have a very negative effect on the production of blood
14 cells, and that's one example.

15 It has very toxic effects in the embryo during the
16 first trimester of the pregnancy, which is the time which you
17 would like a drug against toxoplasmosis effective because it's
18 the time when the baby is most susceptible if the mother
19 contracts the parasite at the time.

20 And there are other side effects.

21 Q. Conversely, if a toxoplasmosis patient takes too little
22 Daraprim, what are the side effects?

23 A. I wouldn't call them side effects, but the parasite
24 infection will not be treated, and the patient could die of the
25 parasitic infection.

LCEKFTC4

Salinas - Cross

1 Q. Is it correct that taking the correct dosage of Daraprim is
2 important for treatment and for safety?

3 A. Yes, it's critical.

4 Q. And specialty pharmacies can help ensure that patients take
5 the correct dosage of Daraprim, right?

6 MR. MEIER: Your Honor, I am going to object. There's
7 been no foundation laid for Dr. Salinas knowing anything about
8 what specialty pharmacies do.

9 THE COURT: I thought your objection was beyond the
10 scope.

11 Wait a minute. Have you both subpoenaed this witness?

12 MR. MEIER: Yes.

13 MR. RUDOWITZ: Yes, your Honor.

14 THE COURT: Okay. So get beyond the scope. You may
15 lay a foundation.

16 BY MR. RUDOWITZ:

17 Q. Mr. Salinas, are you familiar with specialty pharmacies?

18 A. Peripherally familiar, yes.

19 Q. What's the difference between -- what benefits, if any,
20 does a specialty pharmacy offer that a retail pharmacy does
21 not?

22 A. Typically, it affect drugs that are difficult to take,
23 require more explanation to the patient, or simply very
24 expensive.

25 Q. Dr. Salinas what, if anything, can be done to help ensure

LCEKFTC4

Salinas - Cross

1 patients take the correct amount of Daraprim?

2 A. Well, first, education, of course, medical education, the
3 appropriate promotion from the sponsor explaining how the drug
4 should be taken, and to a certain extent, the specialty
5 distribution adds another layer of information and protection.

6 Q. What other pharmaceutical must be taken with Daraprim to
7 treat toxoplasmosis, if any?

8 A. Leucovorin.

9 Q. Are there instances where a toxoplasmosis patient cannot
10 take Daraprim for treatment?

11 A. Yes. If the patient had a previous intolerance to
12 pyrimethamine, that will be an example.

13 Q. I believe you discussed earlier issues with embryos. Is
14 Daraprim the preferred treatment for toxoplasmosis patients who
15 are pregnant?

16 A. Not in the first trimester. It's contraindicated in the
17 first trimester. Later on, it could be used, but not in the
18 first trimester.

19 Q. And Daraprim -- based on your experience, can Daraprim be
20 administered to treat toxoplasmosis patients with a sulfa
21 allergy?

22 A. Pyrimethamine can be given to patients that has a sulfa
23 allergy. Not Bactrim, but pyrimethamine can be given to
24 patients that had a sulfa allergy.

25 Q. With Daraprim -- is Daraprim often treated in combination

LCEKFTC4

Salinas - Cross

1 with a sulfa?

2 A. Yes.

3 Q. Based on your experience, in general, what pharmaceutical
4 is most commonly used for the treatment of toxoplasmosis?

5 A. In the U.S., it would be Daraprim -- sorry, excuse me, I
6 take that back. The most commonly used is Bactrim, which is
7 trimethoprim and sulfamethoxazole. That's the most commonly
8 used, although it is not approved for that indication.

9 The most knowledgeable experts on toxoplasmosis regret
10 that fact because they think that pyrimethamine is better, but
11 I believe, in volume, the most commonly used is Bactrim.

12 Q. You testified earlier about a company called Fukuzyu,
13 correct?

14 A. Correct.

15 Q. And you were involved in identifying Fukuzyu as a potential
16 supplier for pyrimethamine API, correct?

17 A. Yes.

18 Q. It's correct that you did not identify Fukuzyu as a
19 potential supplier until 2016?

20 A. Yes.

21 Q. In 2016, you became concerned that Vyera might run out of
22 pyrimethamine API supply and, thus, would not be able to
23 continue manufacturing Daraprim; is that correct?

24 A. Yes.

25 Q. Up until that point, when you began searching for an API

LCEKFTC4

Salinas - Cross

1 supplier, Vyera had been using the existing pyrimethamine API
2 inventory that was acquired from the previous owner of
3 Daraprim, right?

4 A. Right.

5 Q. So you began your search for an API supplier because you
6 were concerned with supply of pyrimethamine API, correct?

7 A. Yes, very concerned.

8 Q. And you didn't have any discussions with Mr. Shkreli about
9 the Fukuzyu API supply agreement; is that right?

10 A. Right. He wasn't there anymore.

11 Q. And Vyera entered into the supply agreement with Fukuzyu in
12 approximately January of 2017; is that right?

13 A. Right.

14 Q. So Vyera went approximately one and a half years after
15 acquiring Daraprim before entering into a supply agreement; is
16 that right?

17 A. That's right.

18 Q. And you were involved in the negotiations of the supply
19 agreement between Vyera and Fukuzyu?

20 A. Yes, I was.

21 Q. You had primary oversight of the negotiations?

22 A. Yes.

23 Q. I believe that you testified earlier that in the
24 negotiations, getting an exclusive supply provision was a goal
25 for Vyera, correct?

LCEKFTC4

Salinas - Cross

1 A. Was a goal, yes.

2 Q. It was a goal, but it was not the most important goal,
3 right?

4 A. Correct.

5 Q. What was the most important goal?

6 A. Getting the supplier.

7 Q. Now, Vyera and Fukuzyu did agree to an exclusivity
8 provision, right?

9 A. Right.

10 Q. Why did Vyera include an exclusivity provision in the
11 supply agreement with Fukuzyu?

12 A. Because we were unable to anticipate the volume we would
13 need. Our plans were very aggressive, and we had reasons to
14 believe that we could be successful in increasing the use of
15 Daraprim in the approved indication, and we had research
16 programs in extending that if we were successful in both areas
17 that were needed, it could be ten or fifteen times higher than
18 what would have been without those programs.

19 Q. So you were concerned for API supply both for Daraprim, as
20 well as the anticipated or hopeful products that were in
21 development in the R&D pipeline; is that correct?

22 A. Yes. In particular, we're thinking about an intraocular
23 form of pyrimethamine. We didn't talk about that. That's why
24 I mentioned it.

25 Q. Dr. Salinas, did you try to negotiate any other terms that

LCEKFTC4

Salinas - Cross

1 would help ensure supply of pyrimethamine API, such as a
2 minimum volume requirement?

3 A. That was part of the discussion. I remember, also, the
4 quality agreement that was very important for us.

5 Q. And you had discussions with Fukuzyu about prioritizing
6 sales of pyrimethamine API to Vyera over sales to its other
7 customers outside of the United States, right?

8 A. That was our concern, that we would be able to get all the
9 pyrimethamine we would need, yes.

10 Q. So you contemplated numerous types of provisions in the
11 supply agreement that would help ensure API supply, including
12 the exclusivity provision; is that correct?

13 A. That's correct.

14 Q. And in your experience in the industry, are exclusive
15 supply agreements common?

16 A. Very common.

17 Q. With all of the companies that you worked for previous to
18 Vyera, did they all have exclusive supply agreements?

19 A. I've been with many companies. I cannot guarantee all of
20 them had, but the important products for each of the companies
21 I worked for had -- or we intended to have exclusive supply
22 agreements.

23 Q. I believe plaintiffs' counsel asked you earlier about a
24 concern of generic entry.

25 Do you remember that --

LCEKFTC4

Salinas - Cross

1 A. I do.

2 Q. -- in general.

3 But, in fact, at the time you were negotiating the
4 supply agreement with Fukuzyu, generic competition was not a
5 concern of yours; is that right?

6 A. That's right.

7 Q. After Vyera signed --

8 THE COURT: So, counsel, I do not understand the
9 distinction you're making. If this is important to you, you
10 need to explain the difference.

11 MR. RUDOWITZ: Okay, your Honor.

12 BY MR. RUDOWITZ:

13 Q. Earlier today, plaintiffs' counsel was asking you, in
14 general, about whether you were concerned of generic
15 competition, and I believe that you did not testify that
16 generic competition was a concern of yours; is that right?

17 A. That is right.

18 Q. Now, generic entry was discussed earlier as well, and I
19 believe that you have testified, generally, that generic entry
20 would have been a concern specifically with respect to Fukuzyu
21 because it would impact supply?

22 THE COURT: So, I'm sorry, I misled you, counsel. I
23 didn't really want you to explain it; I wanted the witness to
24 explain it. To the extent you can engage in nonleading
25 questions of the witness, that would be helpful. I'm sorry if

LCEKFTC4

Salinas - Cross

1 I misled you.

2 MR. RUDOWITZ: Understood, your Honor. I apologize.

3 BY MR. RUDOWITZ:

4 Q. Dr. Salinas, can you explain why -- strike that. I'm
5 sorry.

6 Can you explain why generic competition was not a
7 concern of yours, but generic entry may have been?

8 A. Because of the business model. Generic companies are based
9 on large volumes and low prices. Large volumes, Advil,
10 ibuprofen, those kind of drugs -- that's the business of generic
11 companies. Large volumes, small prices, small cost. That's
12 why generic companies do not invest in research and
13 development. That's not their objective. It's to make cheap
14 large volumes of medication.

15 And pyrimethamine and Daraprim was the opposite, a
16 very small volume, very small number of patients, and that's
17 why, for me personally, but that was my personal opinion, while
18 the entry of generic could be a theoretical concern, I thought
19 that that was unlikely to happen because if it were to happen,
20 one, two, three, five, ten generic companies would enter the
21 market, the market would collapse, and it would be the end of
22 the market for those generic companies because there wasn't
23 enough volume for them.

24 So I thought -- and some of my colleagues disagreed,
25 but I was of the opinion that that was not a major concern.

LCEKFTC4

Salinas - Cross

1 Q. Conversely, why were you concerned with generic companies
2 acquiring API from Fukuzyu?

3 A. I was concerned about us, Turing, or Vyera having enough
4 API to do all our ambitious projects. To give you an idea, if
5 we were successful -- let me step back.

6 Encephalitis toxoplasmosis is recognized by every
7 physician. There's no undertreatment of toxoplasmosis
8 encephalitis. There's a huge undertreatment of retinal
9 toxoplasmosis, which is the most common form.
10 Ophthalmologists, in the U.S. in particular, but also outside
11 of the U.S., have this misconception that the infection should
12 only be treated if it affects the center of the eye, the
13 macula, and if the parasite is detected outside of the macula,
14 in the periphery, they don't treat it, and that's not good
15 medicine, but that's the way it is done.

16 If ophthalmologists, the general ophthalmologists,
17 were to treat all the cases of toxoplasmosis that exist in this
18 country, the volume of Daraprim needed could be about ten times
19 higher, because those are the numbers. So even if our research
20 projects were not successful, just merely by putting ocular
21 toxoplasmosis in the radar screen of the primary care
22 ophthalmologists would have generated an increase in our need
23 of pyrimethamine, and, therefore, I was afraid of any
24 competition, not generic. I was afraid of any other competitor
25 that could require additional pyrimethamine.

LCEKFTC4

Salinas - Cross

1 Fukuzyu was the only available supplier at the time,
2 but they were selling a number of generics – I don't know, ten,
3 twenty – and they have a small percentage of their capacity
4 allocated to pyrimethamine. If our needs increase by ten
5 times, I was concerned that they would not be able to support
6 our needs.

7 Q. And to try to summarize, because I think I may have done an
8 earlier poor job of asking the question, to summarize, generic
9 competition was not a concern of yours because the generic
10 business model did not fit Daraprim, and, thus, you did not see
11 it as a threat, but generics obtaining API from Fukuzyu was a
12 concern because of your high aspirations requiring high volume?

13 MR. MEIER: Your Honor, I object; this is
14 argumentative.

15 THE COURT: Sustained.

16 BY MR. RUDOWITZ:

17 Q. Dr. Salinas, after signing the supply agreement with
18 Fukuzyu, you considered the need for a backup or additional API
19 supplier for pyrimethamine API?

20 A. I was asked the question at that time, if we should or
21 should not look for a backup supplier.

22 Q. Based on your experience, it's normal business practice in
23 pharmaceuticals to have a backup supplier for important
24 products, correct?

25 A. Yes.

LCEKFTC4

Salinas - Cross

1 Q. And in your work at previous companies, the important
2 products at those companies had backup suppliers, correct?

3 A. Typically, yes.

4 Q. Dr. Salinas, I believe you have discussed a company called
5 RL Fine earlier.

6 Do you remember that?

7 A. I do.

8 MR. RUDOWITZ: Justin, can you bring up GX 1058.

9 Q. Dr. Salinas, have you seen this email before?

10 A. I hate to say that, but it's, again, a black screen.

11 THE COURT: What is the document number again? I'm
12 sorry.

13 MR. RUDOWITZ: GX 1058, your Honor.

14 THE COURT: Thank you.

15 THE WITNESS: It's still a black screen. I'm sorry.

16 Now it's back. Okay, I'm seeing an email here.

17 BY MR. RUDOWITZ:

18 Q. Dr. Salinas, have you seen this email before?

19 A. Yes, I remember this email.

20 Q. And this is an email chain with the original email sent by
21 Patrick Crutcher to you, copying Nick Pelliccione and Gopal
22 Krishna --

23 A. Yes.

24 Q. -- on November 17, 2016; is that right?

25 A. Yes.

LCEKFTC4

Salinas - Cross

1 MR. RUDOWITZ: Your Honor, we move to admit GX 1058.

2 THE COURT: Received.

3 (Government's Exhibit 1058 received in evidence)

4 BY MR. RUDOWITZ:

5 Q. Dr. Salinas, what is the subject line of the email?

6 A. RL Fine Chemicals.

7 Q. Do you see in Mr. Crutcher's email to you, first paragraph,
8 third sentence, he writes, "It may make sense for us to get in
9 touch with them to discuss this as a backup supplier."

10 Do you see that?

11 A. I do.

12 Q. In the first bullet point, Mr. Crutcher writes, "RL Fine
13 Chemicals was contacted to determine if they have taken any
14 steps to file a U.S. DMF and make the API available to USA
15 generic companies."

16 Do you see that?

17 A. I do.

18 Q. And then on the following sub-bullet point, under that,
19 Mr. Crutcher writes, "RL has validated the process, and the
20 product is ready, as is a DMF, for submission to the FDA."

21 Do you see that?

22 A. I do.

23 Q. Do you know what product Mr. Crutcher is referring to in
24 that sub-bullet?

25 A. Yes. He's referring to pyrimethamine.

LCEKFTC4

Salinas - Cross

1 Q. Was this the first time that you had heard of RL Fine being
2 a potential backup supplier for pyrimethamine API for Vyera?

3 A. I believe so, but I don't know. But this was before we had
4 the agreement signed with Fukuzyu.

5 Q. And above that, you email in response, and you write, "Good
6 idea. Gopal, Nick: Let's discuss."

7 Do you see that?

8 A. I do.

9 Can I make a clarification?

10 Q. Yes.

11 A. So when I said I did not think it was necessary to have a
12 backup supplier at that time, I meant after signing the
13 agreement with Fukuzyu. Before signing the agreement with
14 Fukuzyu, the backup is that for me, if Fukuzyu doesn't work, if
15 Fukuzyu doesn't want to do business with us, what do we do, we
16 need a backup that give us. So the word backup has two
17 meanings in this context.

18 Q. Okay. So Vyera was aware of RL Fine's ability to
19 manufacture pyrimethamine API in 2016, right?

20 A. Right.

21 Q. Based on your experience, some generic pharmaceutical
22 companies do not need to rely on a DMF from outside API
23 manufacturers because they have their own manufacturing
24 processes; is that right?

25 A. That's right.

LCEKFTC4

Salinas - Cross

1 Q. And those generic companies would just create their own DMF
2 internally and file that with the FDA; is that right?

3 A. That is right.

4 Q. So a generic company, like Perrigo or Mallinckordt, could
5 start and generate their own DMF?

6 A. Yes, a large company could start the process without the
7 need of an outside DMF. Any large generic company could have
8 manufactured pyrimethamine at any time.

9 Q. Based on your experience, that process could be done in a
10 matter of a few months?

11 MR. MEIER: Your Honor, I am going to object again.
12 There's no foundation for --

13 THE COURT: Sustained.

14 BY MR. RUDOWITZ:

15 Q. Dr. Salinas, are you aware of any generic pharmaceutical
16 companies creating their own DMFs internally?

17 A. Yes.

18 Q. How quickly can a DMF be created internally?

19 MR. MEIER: Objection, your Honor.

20 THE COURT: Sustained.

21 Q. In your experience, and based on your knowledge, what's the
22 quickest that you know a generic pharmaceutical company to
23 create a DMF internally?

24 MR. MEIER: Objection, your Honor.

25 THE COURT: Sustained.

LCEKFTC4

Salinas - Cross

1 I'll let you lay a foundation, counsel, but you have
2 to lay a foundation.

3 MR. RUDOWITZ: Understood, your Honor.

4 BY MR. RUDOWITZ:

5 Q. Dr. Salinas, do you know --

6 THE COURT: Have you ever worked at a company -- have
7 you ever worked at a large generic manufacturing company?

8 THE WITNESS: No.

9 THE COURT: Have you ever worked at a large
10 pharmaceutical manufacturing company that's created its own API
11 for the first time?

12 THE WITNESS: I believe, yes. Wyeth, at the beginning
13 of my career.

14 BY MR. RUDOWITZ:

15 Q. Dr. Salinas, how long did it take --

16 THE COURT: Well, no, I got you started, counsel.
17 You're going to have to lay a foundation.

18 MR. RUDOWITZ: Okay.

19 BY MR. RUDOWITZ:

20 Q. Dr. Salinas, what company was that at?

21 A. Wyeth.

22 Q. And, Dr. Salinas, what drug was that?

23 A. I don't recall. There were many drugs manufactured by
24 Wyeth, and in discussions with the CMC, that topic would come
25 up and -- but I cannot pinpoint to a specific drug.

LCEKFTC4

Salinas - Cross

1 Q. Do you recall how long it would take -- how long it took?

2 THE COURT: That's not a foundation, counsel. Let's
3 move on.

4 MR. RUDOWITZ: All right.

5 BY MR. RUDOWITZ:

6 Q. Based on your experience, whether to have a backup supplier
7 is a business decision, right?

8 A. It is.

9 Q. Moving forward, you eventually became interim CEO of Vyera
10 in April 2017?

11 A. Yes.

12 Q. When you were CEO of Vyera, you were the one making the
13 day-to-day decisions for the company?

14 A. Yes.

15 Q. While you were CEO, did you often speak with Mr. Shkreli?

16 A. Not often. Once, I believe. Or twice.

17 Q. After Mr. Shkreli stepped down as CEO, he did not
18 participate in any executive committee meetings?

19 A. He did not participate.

20 Q. And you would agree with me that after Mr. Shkreli stepped
21 down as CEO, that he did not retain significant influence on
22 the company?

23 A. Yes, I agree.

24 MR. RUDOWITZ: Justin, can you pull up GX 1479 on
25 page 6.

LCEKFTC4

Salinas - Cross

1 Q. Dr. Salinas, I believe you had looked at this document
2 earlier today.

3 Do you remember that?

4 A. Yes.

5 Q. The second bullet point, fourth line down, I think you had
6 also looked at that, that starts with the word "there."

7 A. Yes.

8 Q. "There are times when Mr. Shkreli publicly holds himself
9 out as speaking for the company when, in fact, he has no
10 operational or business responsibilities."

11 Do you agree that Mr. Shkreli had no operational or
12 business responsibilities for Vyera at that time?

13 A. I do.

14 Q. And it was after --

15 MR. RUDOWITZ: You can get rid of that, Justin.

16 Q. It was after Mr. Shkreli stepped down as CEO that Vyera
17 began negotiating with Fukuzyu, right?

18 A. Right.

19 Q. And it was after Mr. Shkreli stepped down as CEO that Vyera
20 entered into the agreement with Fukuzyu, correct?

21 A. Correct.

22 Q. And it was after Mr. Shkreli stepped down as CEO that Vyera
23 identified RL Fine as a potential backup supplier, correct?

24 A. Correct.

25 MR. RUDOWITZ: No further questions, your Honor.

LCEKFTC4

Salinas - Redirect

1 MR. MEIER: Yes, your Honor. Thank you.

2 REDIRECT EXAMINATION

3 BY MR. MEIER:

4 Q. I have some follow-up questions, Dr. Salinas.

5 Do you recall the discussion with Mr. Rudowitz where
6 Mr. Rudowitz was drawing a distinction between concerns about
7 generic competition and generic entry?

8 A. I do.

9 MR. MEIER: Could we pull up Government Exhibit 1056,
10 which has already been admitted in evidence and we looked at
11 earlier today. And if we could go to page 2, item number 6,
12 which we also talked about earlier today.

13 Q. The contemporaneous records of your time at the company
14 show that you were concerned about generic competition,
15 correct?

16 A. As a challenge to the volume we needed, yes.

17 Q. If you look at number 3, it says, "Generic pyrimethamine
18 will hamper these activities and may leave toxoplasmosis a
19 forgotten disease with insufficient therapeutic effects."

20 So, again, you were concerned about generic
21 competition, weren't you?

22 A. My main concern was the volume. My main -- if Fukuzyu had
23 given a supply agreement without an exclusivity clause, that
24 would have been good enough. I would have had half the loaf of
25 bread I needed. The exclusivity gave more comfort. That's the

LCEKFTC4

Salinas - Redirect

1 distinction.

2 Q. My question was: You were concerned about generic
3 competition at the time, correct?

4 A. To a certain extent, yes.

5 Q. If you look at number 8, it says, "Generic companies sell
6 the drug at significantly lower prices, which is not a benefit
7 to Fukuzyu either on the sales."

8 Do you see that?

9 A. I do.

10 Q. So the contemporaneous records show that when you were
11 working at Vyera, you were concerned about generic competition,
12 correct?

13 A. I was concerned about the generics or branded products
14 taking away the volume we would need. So, yes, that includes
15 generics.

16 Q. Okay. Thank you.

17 MR. MEIER: We can take that down.

18 Q. You had talked about backup suppliers with Mr. Rudowitz.

19 Now, during the time you were at Vyera, Vyera never
20 got a backup supplier for Vecamyl, correct?

21 A. I believe it was the case yes.

22 Q. And you never got a backup supplier for Daraprim while you
23 were at Vyera?

24 A. Correct.

25 Q. When Mr. Rudowitz showed you Government Exhibit 1058, that

LCEKFTC4

Salinas - Redirect

1 talked about RL Fine, you drew a distinction between two
2 different types of backup suppliers, correct?

3 A. Correct.

4 Q. One type of backup supplier was if you didn't get the
5 contract with Fukuzyu, your plan B would go to RL Fine,
6 correct?

7 A. Correct.

8 Q. But you were not talking about RL Fine at that time as a
9 second supplier to Fukuzyu, were you?

10 A. Correct.

11 Q. Now, Mr. Rudowitz also asked you about specialty
12 distribution, correct?

13 A. Yes.

14 Q. And during the time you worked at Vyera, Vyera had Daraprim
15 specialty distribution, correct?

16 A. Yes.

17 Q. But, as we also talked earlier today, Daraprim is a
18 68-year-old product, correct?

19 A. Yes.

20 Q. Do you know for how many years Daraprim was in specialty
21 distribution?

22 A. Very little time before Vyera acquired it.

23 Q. It was only shortly before Vyera acquired it that it was
24 put into specialty distribution in the first place, correct?

25 A. Correct.

LCEKFTC4

Salinas - Redirect

1 Q. So for most of the history of the product, it was not in
2 specialty distribution, correct?

3 A. Correct.

4 Q. You testified earlier, when Mr. Rudowitz was talking to
5 you, about how you were attracted to come to Vyera because you
6 thought it might become an important research company, correct?

7 A. Correct.

8 Q. And you were hopeful that research and development would be
9 the most important thing the company does, correct?

10 A. Correct.

11 Q. In the time that you were at Vyera, you actually never
12 successfully developed and launched a product, did you?

13 A. Not a commercial product, but we filed for INDs.

14 Q. Yes, investigative new drug applications.

15 A. Correct.

16 Q. That's something you do pretty early in the process with
17 the FDA, right?

18 A. It depends what you call "early."

19 Q. Well, with the FDA, it's one of the first --

20 A. Oh, we did, yes. The FDA does not regulate research done
21 in animals.

22 Q. You might do research before you file an IND, but an IND is
23 still early in the FDA regulatory process?

24 A. Correct.

25 Q. And it means that there could still be years and years

LCEKFTC4

Salinas - Redirect

1 before you actually have a product ready to commercialize,
2 correct?

3 A. Yes.

4 Q. And in the time you were at Vyera, you didn't actually
5 commercialize any products?

6 A. Correct.

7 Q. To the best of your knowledge, do you know whether Vyera
8 has ever gotten FDA approval to market a new product?

9 A. To the best of my knowledge, no, they haven't.

10 Q. Now, during the six months or so that you were interim CEO,
11 you indicated that Mr. Shkreli didn't have significant
12 influence on the company, correct?

13 A. In the operation of the company, yes.

14 Q. But that was, of course, until he managed to replace the
15 board and to replace you, correct?

16 A. Correct.

17 MR. MEIER: No further questions, your Honor.

18 THE COURT: Any further questions, counsel?

19 MR. RUDOWITZ: No further questions, your Honor.

20 THE COURT: Thank you.

21 So, you joined the company, you're very unhappy with
22 the price of Daraprim, you become interim CEO.

23 Did you take steps to reduce the price of Daraprim?

24 THE WITNESS: We had discussions --

25 THE COURT: Did you or didn't you?

LCEKFTC4

Salinas - Redirect

1 THE WITNESS: Oh, no. Well, sorry, yes. When I
2 came --

3 THE COURT: What steps did you take to reduce the
4 price?

5 THE WITNESS: Went on a case-by-case with certain
6 providers. Certain hospitals were given some discounts and --
7 but not an across-the-board discount.

8 THE COURT: So the ocular toxoplasmosis that you hoped
9 to develop another product to treat, that would be more widely
10 distributed and used by medical practitioners, did I understand
11 that correctly, that was your hope?

12 THE WITNESS: No. There were two aspects. One is to
13 educate about the use of the existing product. The existing
14 Daraprim could be used to treat the peripheral toxoplasmosis,
15 that's number one.

16 The second was to generate a new product that will be
17 an intraocular formulation that will be injected inside the
18 eye. That's the research program. But we had two research
19 activities, and with FDA, we had agreed that if we were -- the
20 problem, because it was such an old drug, there was not enough
21 research performed in 1953, but since then, many people have
22 conducted research with Daraprim in ocular toxoplasmosis. We
23 were collecting data from France and Brazil to show that the
24 use of Daraprim in its existing form for ocular toxoplasmosis
25 was a good thing for patients, and, in addition, we had this

LCEKFTC4

Salinas - Redirect

1 intraocular plan. So there were two ways to tackle that
2 problem.

3 THE COURT: Okay.

4 So you hoped to educate the medical profession to more
5 widely use Daraprim, you hoped to develop a new product for
6 injection into the eye.

7 Would that use the same API?

8 THE WITNESS: Yes.

9 THE COURT: Pyrimethamine?

10 THE WITNESS: Yes.

11 THE COURT: So when you went to Fukuzyu to obtain a
12 supply of pyrimethamine, you were running out of the supply
13 that came to you when Daraprim was purchased, you needed the
14 API?

15 THE WITNESS: Yes. Not immediately, but the
16 manufacturing person reporting to me came to alert me, saying
17 if we continue on the trend, and if things go well, we're going
18 to run out of product earlier than we think in the next year or
19 so.

20 THE COURT: Counsel, do you have any questions for
21 this witness based on the questions I put to him?

22 MR. MEIER: Not for the government, your Honor.
23 Markus Meier.

24 MR. RUDOWITZ: Not for Mr. Shkreli, your Honor.

25 THE COURT: You may step down.

LCEKFTC4

1 (Witness excused)

2 THE COURT: Counsel, why don't we take a five-minute
3 recess, and then we'll resume with the next witness.

4 (Recess)

5 THE COURT: Counsel, you may call your next witness.

6 MR. MEIER: Thank you, your Honor. Markus Meier, FTC.
7 We called our next witness an expert witness, James
8 Bruno. And my colleague, Neal Perlman, will do the
9 examination, but Mr. Perlman also has an administrative matter
10 that we didn't complete this morning, if that's possible to
11 just do that very quickly, your Honor.

12 THE COURT: So, Mr. Bruno, is that you standing? Why
13 don't you come up here, and we'll get you seated while counsel
14 address me, not leave you standing like that.

15 THE WITNESS: Thank you.

16 THE COURT: Just take a seat for a moment.

17 Counsel.

18 MR. PERLMAN: Good afternoon, your Honor. In our
19 earlier discussion about the transcript of Jacob Matthew, I
20 realize I neglected to formally move that transcript into
21 evidence. That was GX 9052.

22 THE COURT: Received.

23 (Government's Exhibit 9052 received in evidence)

24 THE COURT: So, Mr. Bruno, if you could please stand
25 and raise your right hand.

LCEKFTC4

1 JAMES BRUNO,

2 called as a witness by the Plaintiffs,

3 having been duly sworn, testified as follows:

4 THE COURT: Please state your full name.

5 THE WITNESS: James Bruno.

6 THE COURT: And spell your last name.

7 THE WITNESS: B-r-u-n-o.

8 THE COURT: And you're about to be handed a document,
9 which I believe is your affidavit. I'm going to ask you to
10 look at that.

11 And what's the exhibit number, counsel?

12 MR. PERLMAN: It's 8001.

13 THE COURT: Excuse me one second.

14 And if you could turn to the last page, which I
15 believe is page 37.

16 Mr. Bruno, did you authorize the placement of your
17 signature on that last page?

18 THE WITNESS: Yes, I did, your Honor.

19 THE COURT: And before you did that, did you read this
20 document with care?

21 THE WITNESS: Yes, I did, your Honor.

22 THE COURT: Do you swear to the truth of its contents?

23 THE WITNESS: Yes, I do.

24 THE COURT: Is there an offer of this exhibit, which I
25 believe is Government Exhibit 8001?

LCEKFTC4

1 MR. PERLMAN: Yes, your Honor. We move to admit
2 Government Exhibit 8001 into evidence.

3 THE COURT: Other than the objections, which I may
4 already have ruled on, is there any further objection to
5 receipt of this document?

6 MR. PARKS: Your Honor, Manly Parks, for Mr. Shkreli.
7 There is not.

8 THE COURT: Thank you.

9 GX 8001 is received.

10 (Government's Exhibit 8001 received in evidence)

11 THE COURT: Cross-examination?

12 MR. PERLMAN: Your Honor, if I may quickly, there is
13 an appendix to GX 8001, which is a summary exhibit that
14 plaintiffs' counsel prepared at the direction of Mr. Bruno.
15 It's an API timeline. We would like to move that into evidence
16 as well at this point.

17 THE COURT: Does it have a number?

18 MR. PERLMAN: Yes. It should be Appendix C in the
19 binder. It's labeled GX 7001. It's the last tab in the
20 binder.

21 THE COURT: So you're offering GX 7001?

22 MR. PERLMAN: Yes, your Honor.

23 THE COURT: Any objection?

24 MR. PARKS: Your Honor, Manly Parks again.

25 Not at this time, although we would reserve the right

LCEKFTC4

Bruno - Cross

1 to raise an objection during cross-examination.

2 THE COURT: Certainly.

3 MR. PARKS: Thank you.

4 THE COURT: Received. GX 7001 is received.

5 (Government's Exhibit 7001 received in evidence)

6 THE COURT: Cross-examination?

7 CROSS-EXAMINATION

8 BY MR. CASEY:

9 Q. Good afternoon, Mr. Bruno.

10 A. Good afternoon.

11 Q. My name is Manly Parks. I'm part of the team representing
12 Mr. Shkreli in this matter. I'd like to start with your
13 background, if I might.

14 You began your career as a technical service manager
15 at NL Industries in 1973, correct?

16 A. That's correct.

17 Q. In that position, you were not responsible for contracts
18 regarding APIs; is that correct?

19 A. That's correct.

20 Q. You also did not do any work with pyrimethamine while you
21 were in that position at NL Industries, right?

22 A. That's correct.

23 Q. In your next position, as a project manager at Ganes
24 Chemicals, you did not do any work with pyrimethamine, did you?

25 A. That's correct.

LCEKFTC4

Bruno - Cross

1 Q. In your position as a director of Sipsy Chemical, you did
2 not do any work on supply agreements for pyrimethamine,
3 correct?

4 A. That's correct.

5 Q. Sipsy Chemical did not have any supply agreements for
6 pyrimethamine at that time, did it?

7 A. That's correct.

8 Q. Sipsy Chemical was in the business of manufacturing APIs,
9 wasn't it?

10 A. Both APIs and intermediate pharmaceuticals.

11 Q. While you were at Sipsy Chemical, you were responsible for
12 negotiating API supply agreements with various drug
13 manufacturers, correct?

14 A. When you say "drug manufacturers," you're talking
15 pharmaceutical companies?

16 (Continued on next page)

LCEMFTC5

Bruno - Cross

1 Q. Yes?

2 A. Yes.

3 Q. When you were at Sipsy Chemical, approximately 25 percent
4 of the API contracts you negotiated had an exclusivity
5 provision in them, isn't that right?

6 A. That's correct.

7 Q. During your time at Aerojet, none of the API supply
8 agreements you worked on were for pyrimethamine, correct?

9 A. That's correct.

10 Q. About 15 to 20 percent of the API contracts you worked on
11 at Aerojet had an exclusivity provision in them, correct?

12 A. That's correct.

13 Q. Would you agree that in the 1990s, exclusivity terms
14 started to become increasingly common in API supply agreements?

15 A. I don't agree with that.

16 Q. Were you deposed in this matter on July 29, 2021?

17 A. It sounds like the right dates.

18 MR. PARKS: Can we take a look at page 42 of your
19 deposition, lines 2 through 23.

20 Q. Actually, beginning at line 2 there is a question on this
21 page presented to you. Did the nature of the business change
22 at some point as it was relevant to exclusivity terms being in
23 API's supply agreements? Your answer here in your deposition
24 was: I think it changed more because, as you got into more of
25 the '90s, we had more of the small emerging companies who were

LCEMFTC5

Bruno - Cross

1 developing products. So because they had less, I would say,
2 chemistry, the company that was manufacturing it, there was a
3 lot more work that we had to do. So the costs were higher. To
4 the point, we needed to cover those costs when we were
5 developing a product. They took longer to do it. SO we would
6 try to get at least either a short-term supply or we would
7 negotiate something to the effect of, we would get 70 percent
8 of the business for some of the years, stuff like that. And
9 that's what I referred to as the short-term supply agreement
10 exclusivity agreement.

11 That was your testimony at your deposition, correct?

12 A. That's correct.

13 Q. Now, during your time at Vinchem, you did not have any role
14 with regard to pyrimethamine supply, correct?

15 A. That's correct.

16 Q. During your time at Honeywell, that company did not look at
17 becoming a supplier of pyrimethamine, did it?

18 A. That's correct.

19 Q. While you were at Honeywell, 30 to 40 percent of
20 Honeywell's supply arrangements with branded drug companies
21 contained exclusivity terms, correct?

22 A. That's correct.

23 Q. After Honeywell you formed CAP Consulting, correct?

24 A. It's Chemical and Pharmaceutical Solution.

25 Q. Can we call that CAP Consulting?

LCEMFTC5

Bruno - Cross

1 A. That's fine.

2 Q. During your time at CAP Consulting, none of the API supply
3 agreements you assisted clients with negotiating pertained to
4 pyrimethamine, correct?

5 A. That's correct.

6 Q. None of those clients of CAP Consulting were involved with
7 pyrimethamine in any way, were they?

8 A. That's correct.

9 Q. Did you answer?

10 A. I'm sorry. That's correct.

11 Q. So it would be correct, wouldn't it, to say that in the
12 course of your career you have not been professionally involved
13 with anything to do with pyrimethamine, correct?

14 A. I have not worked on the pyrimethamine API.

15 Q. As part of your work on this engagement, you didn't do any
16 formal survey regarding the frequency that different deal terms
17 appear in API supply agreements, did you?

18 A. What you are calling a formal survey, I did not contact
19 companies and do, I would say, a study.

20 Q. At your deposition you were asked whether you did any
21 normal survey and you said you didn't, isn't that right?

22 A. I thought I just answered that.

23 Q. You agree you did not do any formal survey of the frequency
24 of the different deal terms that appear in API supply
25 agreements?

LCEMFTC5

Bruno - Cross

1 A. That's correct.

2 Q. In connection with this engagement you did not review any
3 formal survey analyzing the frequency with which different
4 terms or conditions appear in API supply agreements, did you?

5 A. That's correct.

6 Q. You were not aware of any such surveys, are you?

7 A. Not that I'm aware of.

8 Q. When you offer opinions about things being typical or
9 unusual in the industry in this case, you are basing that on
10 your personal experience and not in any kind of formal study or
11 analysis or industry data, isn't that correct?

12 A. I'm basing my opinion on my 40 years in the industry, and
13 also that I worked in negotiating contracts on both sides, both
14 the CMO and the pharmaceutical company, and also in the
15 meetings we will discuss various terms and conditions that the
16 various CMOs and the various pharmaceutical companies are
17 working with.

18 Q. So the answer to my question was, yes, isn't that right?
19 You are not basing your opinion of things being typical or
20 unusual on any kind of formal study or analysis or industry
21 data. That's based on your personal experience only, isn't
22 that right?

23 A. That's correct.

24 Q. Thank you.

25 Would you agree that from the API perspective there

LCEMFTC5

Bruno - Cross

1 are somewhere in the realm of 5,000 to 6,000 approved drugs in
2 the United States?

3 A. That's correct.

4 Q. Over the course of your career you have worked on about 100
5 different API supply agreements, right?

6 A. That's correct.

7 Q. And of those 100 you were only closely involved with about
8 40 of them, correct?

9 A. That's not exactly what I was saying. When I said that I
10 was the primary person on approximately 40, which meant I led
11 the entire group. On the other contracts I'm just responsible
12 for what I would refer to as the CMC section.

13 Q. Sir, at your deposition didn't you testify that you were
14 only closely involved with about 40 of the 100 different API
15 supply agreements you worked on in the course of your career?

16 A. And what I was discussing, who was the lead person, and I
17 was the one in charge of doing it. So everything had to come
18 to me, as opposed to me being part of the team.

19 Q. Sir, my question is, didn't you testify to the phrase
20 closely involved with respect to only 40 of the 100?

21 A. I would have to see that again to make sure it was the
22 exact word.

23 And I've lost the screen.

24 Q. If we can get the screen back in the meantime, perhaps we
25 can take a look at your deposition of July 29, 2021 on page 51,

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Bruno - Cross

1 line 25 through page 52, line 10.

2 THE COURT: Is it up on your screen, sir?

3 THE WITNESS: No, it's not.

4 Q. Do you have it up there, sir?

5 A. No, I don't.

6 THE COURT: You can just read where you asked this
7 question. Did you give this answer, counsel, if this is
8 important to you.

9 MR. PARKS: It is. I would like to just go ahead and,
10 if your Honor approves, I can walk up the page of the
11 transcript so the witness can follow along.

12 A. Sure. I'm getting it back.

13 Q. Because I have the screen to read from.

14 A. You're on page 52?

15 Q. 51 to 52.

16 A. I see 52 in front of me right now.

17 Q. The question at the last line of page 51 to page 52: So in
18 the course of this experience, you indicated that you have
19 worked with approximately 100 pharmaceutical manufacturing
20 contracts.

21 THE COURT: Slow down.

22 Q. And you've been closely involved with approximately 40, is
23 that correct?

24 "A. That's correct."

25 Q. That was your testimony during your deposition, wasn't it?

LCEMFTC5

Bruno - Cross

1 A. That's my testimony.

2 Q. Of the 40 API supply agreements that you testified you were
3 closely involved in, how many of them were backup supply
4 agreements?

5 A. When you talk about a backup supplier, are you defining it
6 as somebody who is ready to produce, or what I would refer to
7 as a secondary supplier, somebody who has already made it, but
8 they make it part of the market, so to speak.

9 Q. Either one of those. Broadly encompassing of those, how
10 many of the 40 were in either of those situations?

11 A. Of the ones where you had a true secondary supplier, I
12 would be negotiating either the primary or secondary supplier
13 position.

14 Q. I'm asking for a number, sir. How many of the 40 that you
15 were closely involved in were backup supply agreements under
16 either definition you have just provided?

17 A. Under the definition that it was a secondary supplier in
18 which somebody was already manufacturing, I would say at least
19 20 of those where I was the secondary supplier. I have to go
20 back -- I would have to look at it again to count it, but I
21 would say approximately.

22 Q. Are there any of the 40 that were in the other category you
23 mentioned of a potential definition of backup supply agreement?

24 A. No, there were not.

25 Q. So 20 of the 40.

LCEMFTC5

Bruno - Cross

1 A. I was the secondary supplier.

2 Q. Now, let's turn to your substantive opinions in the case.
3 Specifically let's talk about timing of market entry by
4 Cerovene, InvaTech, and Fera.

5 Now, your opinion here does not address whether market
6 entry by any of those firms with a generic competitor to
7 Daraprim was delayed by some factor other than the availability
8 of those firms to get API, does it?

9 A. I would say that that was correct.

10 Q. In your direct testimony there is a heading that states,
11 and I'll read it: As a result of the RL Fine and Fukuzyu
12 exclusive contracts, generic competitors had to use API
13 suppliers that did not have a developed CGMP process. I want
14 to examine the factual basis for that statement.

15 Would you agree that Cerovene's initial source for
16 pyrimethamine was a company called Ipca?

17 A. That's correct.

18 Q. The Federal Government banned Ipca from importing API,
19 didn't it?

20 A. That's correct.

21 Q. When did that happen?

22 A. Around 2015.

23 Q. That was well before Vyera supply agreements with Fukuzyu
24 and RL Fine, wasn't it?

25 A. Vyera or Cerovene and InvaTech?

LCEMFTC5

Bruno - Cross

1 Q. Vyera supply agreements with Fukuzyu and RL Fine came well
2 after the 2015 ban of Ipca by the government, correct?

3 A. If it was in 2016, yes.

4 Q. Well, was it in 2016?

5 A. When -- the work that I was looking at it was more Cerovene
6 and InvaTech was looking at Fukuzyu and RL Fine. Vyera had
7 taken an option more of what I was looking at of going in a
8 different direction in the beginning.

9 Q. I am not sure I understood what you said there, but I am
10 going to move on because we are going to get to the specific
11 dates of those agreements.

12 Would you acknowledge that Vyera's supply agreements
13 with Fukuzyu and RL Fine had nothing to do with Cerovene losing
14 its initial source of pyrimethamine API?

15 A. My understanding with Vyera, they were looking at a totally
16 independent once they realized that they thought they could not
17 get the material from Fukuzyu or RL Fine.

18 Q. I am going to try my question again. Would you acknowledge
19 that Vyera's supply agreements with Fukuzyu and RL Fine had
20 nothing to do with Cerovene losing its initial source of
21 pyrimethamine API in 2015 as a result of the Federal Government
22 banning Ipca from importing API?

23 A. You're asking when Ipca was the initial supplier?

24 Q. Ipca wasn't their initial supplier, weren't they?

25 A. I just wanted to confirm that because I was a little

LCEMFTC5

Bruno - Cross

1 confused with the way the question was. But, yes, I would
2 agree to that.

3 Q. Would you also agree that if the government had not banned
4 Ipca from importing pyrimethamine API, Cerovene would not have
5 had to look for a replacement source of API to replace Ipca?

6 A. For Cerovene, that's correct.

7 Q. Isn't it also true that if the government had not banned
8 Ipca from importing pyrimethamine and Cerovene had continued to
9 use Ipca as its pyrimethamine API supplier, the contracts that
10 Vyera later entered into with Fukuzyu and RL Fine would not
11 have caused any negative impact on Cerovene's primary
12 pyrimethamine supply because Ipca would have still been around
13 to source it.

14 A. If Ipca could still produce but they couldn't sell, then
15 they would be able to still use Ipca's material for their
16 formulation and for their approval in their submission.

17 Q. After the government banned Ipca from importing
18 pyrimethamine, Cerovene next turned to Fukuzyu as a source of
19 pyrimethamine API, correct?

20 A. That's correct.

21 Q. Cerovene never entered into a written supply agreement with
22 Fukuzyu for pyrimethamine API, correct?

23 A. That's correct.

24 Q. Fukuzyu e-mailed Cerovene on October 5, 2016 to say that it
25 has decided against supplying pyrimethamine, correct?

LCEMFTC5

Bruno - Cross

1 A. That's correct.

2 Q. And that is in GX-8011-007. I'm sorry. That's GX-3260.
3 Let's take a look at that.

4 Sir, was this a document you reviewed in connection
5 with developing your opinions in this case?

6 A. I just lost the screen again.

7 MR. PARKS: Your Honor, I have a hard copy to bring up
8 until we get the screen back, just to keep it moving.

9 THE COURT: Thank you so much, counsel.

10 Q. I have handed you the first page of that exhibit. Do you
11 recognize that as a document you reviewed in connection with
12 the preparation of your opinions in this case?

13 A. Give me a second to finish reading it, please. Yes.

14 Q. In this document there is an e-mail to Manish at
15 Cerovene.com forwarding a message from the president of Fukuzyu
16 Pharmaceutical, correct?

17 A. That's correct.

18 Q. In that message from the president of Fukuzyu
19 Pharmaceutical it states: On October 4, 2016, we, Fukuzyu
20 Pharmaceutical, officially determined not to accept your
21 request for pyrimethamine supply.

22 Pyrimethamine is a very old drug substance and the
23 demand is not expected to grow substantially since its usage is
24 limited. Therefore, after thorough consideration, we concluded
25 not to supply this item to anyone because of low business

LCEMFTC5

Bruno - Cross

1 potential and high risk associated with the business. Thank
2 you for understanding. Correct?

3 A. Correct.

4 Q. Then that is received, according to this e-mail, by Manish
5 at Cerovene.com on October 5, 2016, right?

6 A. I don't have the -- there it is. Yes.

7 Q. Thank you.

8 We have Fukuzyu saying we are not going to supply
9 pyrimethamine on October 4 and that's received on October 5,
10 2016.

11 The pyrimethamine supply agreement between Fukuzyu and
12 Vyera is dated January 25, 2017, correct?

13 A. That's correct.

14 Q. So that supply agreement was not signed until nearly four
15 months after Fukuzyu notified Cerovene that it was not going to
16 supply Cerovene with product, isn't that correct?

17 A. That's correct.

18 Q. Now, Fukuzyu first agreed with Vyera to exclusivity with
19 respect to pyrimethamine for human use in the United States on
20 November 22, 2016, correct?

21 A. Sounds about the right time.

22 Q. Let's take a look at GX-1019, page 2, which we looked at
23 earlier today, not with you, but with other witnesses.

24 A. I had it for a second. OK.

25 Q. The original e-mail in this chain is --

LCEMFTC5

Bruno - Cross

1 A. I don't have it again. Sorry. Now I got it.

2 Q. The original e-mail in this chain states: We got good news
3 from Mikio in Japan overnight. Fukuzyu has accepted our
4 agreement to provide pyrimethamine exclusively for us for human
5 drugs. You see that?

6 A. It keeps blacking in and out and it's only up for a second
7 and then it goes back out again. It's blinking on and off.

8 (Continued on next page)

LCEKFTC6

Bruno - Cross

1 BY MR. PARKS:

2 Q. Okay.

3 A. And it's blanking on and off.

4 THE COURT: I've asked for an entire new computer
5 setup for the witness table, the witness box, and we're
6 supposedly going to get it tomorrow morning. I apologize, on
7 behalf of the court, for this technological failure.

8 (Pause)

9 MR. PARKS: I was just asking counsel for the FTC if
10 they had any objection to me using a copy that had some
11 highlighting on it. I think the answer was no objection.

12 MR. PERLMAN: The answer is no objection.

13 MR. PARKS: Thank you.

14 BY MR. PARKS:

15 Q. So, sir, my question for you is: Does this email refresh
16 your recollection that the date that Fukuzyu first agreed with
17 Vyera to exclusivity for pyrimethamine API was November 22nd,
18 2016?

19 A. Yes.

20 Q. Thank you.

21 MR. PARKS: Your Honor, I just realized, I've been
22 traversing around the court without my mask. I apologize. I
23 will try to remember, if I leave my station, to put it back on.

24 I'm going to hold off here. It's probably not fair to
25 the witness to ask questions while someone is digging around

LCEKFTC6

Bruno - Cross

1 under the desk where he's seated.

2 THE COURT: Well, I'm going to ask Mr. Bruno, please,
3 to just stand up and let our tech team get access to this space
4 and see if they can deal with the problem. And then I'm going
5 to ask our tech team to stay around for a couple of minutes
6 while we use some more exhibits and see if this is cured.

7 COURT STAFF: Yes, your Honor.

8 THE COURT: Thanks so much.

9 (Pause)

10 THE COURT: I've taken some time off the clock here.
11 And I apologize again, counsel, for I know how hard everyone's
12 prepared, and to have this interference is frustrating.

13 There appears to be a whole setup, underneath the
14 table where the witness stand is, that needs to be replaced.
15 So it's not just the matter of a cable, it's not just the
16 matter of a monitor; it's the matter of a whole system, and
17 they're going to try to replace it really quickly, and, as I
18 said, we'll replace it completely, everything, hopefully,
19 before court tomorrow.

20 I see that the screen is flickering still, so right
21 now we have to assume the monitor does not work other than in a
22 way that will frustrate everyone.

23 COURT STAFF: Apologies, your Honor. My colleague is
24 running to get a replacement.

25 THE COURT: Good, good. Thank you so much.

LCEKFTC6

Bruno - Cross

1 MR. MEIER: Your Honor --

2 THE COURT: Yes, counsel. What do you --

3 MR. MEIER: I had one matter I was going to ask the
4 Court about for some guidance at the end, so we could at least
5 ask about that now, if it works for, your Honor?

6 THE COURT: Sure.

7 MR. MEIER: As your Honor knows, the parties have been
8 working very hard to work out objections, and your Honor has
9 given us a lot of guidance along the way to help us understand
10 the objections on documents and the objections on designations,
11 and this is really an administrative matter to ask your Honor's
12 preference.

13 Going forward, in light of all of the rulings and all
14 of the work we've already done, do you have a preference as to
15 whether we raise any remaining objections? Should we submit
16 them in writing or address them, as we did this morning, with
17 Mr. Perlman before we start for the day? Is there a preference
18 for the future? I think we've worked out an awful lot, but
19 we're trying to figure out whether we should continue to submit
20 writings to your Honor with objections about deposition
21 designations and objections to exhibits, or whether we just
22 take it case by case --

23 THE COURT: I think we take it case by case during the
24 trial day.

25 MR. MEIER: All right. Thank you.

LCEKFTC6

Bruno - Cross

1 THE COURT: Mr. Bruno, I hate to keep you standing.
2 Did you want to take a seat back there?

3 THE WITNESS: If you don't mind.

4 (Pause)

5 MR. POLLACK: Your Honor, may I be briefly excused?

6 THE COURT: Sure, sure, yes, counsel, whenever you
7 need to take a break. Obviously, if examining counsel or
8 principal counsel for a witness needs a break, I'll take a
9 break for everyone, but, otherwise, feel free go in and out.

10 MR. PARKS: Thank you, your Honor.

11 (Pause)

12 THE COURT: With my great thanks to our technical team
13 here, I think we've reached the conclusion that there is no
14 quick fix this afternoon, it's going to require an overhaul;
15 and so, counsel, can you manage an examination of the witness
16 without the screen?

17 MR. PARKS: I believe I can, your Honor. I think I
18 have hard copies, to the extent I need to use any, and I can
19 bring them up. And if I am wrong about that, I will stand
20 corrected as we go and I will have to skip over that portion, I
21 suppose, but I do believe I have hard copies of anything I
22 need.

23 THE COURT: Good. They might have just fixed it, but
24 there are no guarantees, is the point. We're in unknown
25 territory.

LCEKFTC6

Bruno - Cross

1 We start at 9:30 in the morning, so you will be able
2 to replace it before then?

3 COURT STAFF: Yes, your Honor.

4 THE COURT: Good. Thank you, thank you.

5 Mr. Bruno, if you could come on up here, and perhaps
6 the screen will work and perhaps it won't.

7 I'm going to ask you, Mr. Bruno, to move that mic back
8 into place so you'll be speaking into it, sort of under your
9 chin, not too close. Great.

10 Counsel, thank you, again, for your patience. You may
11 resume.

12 MR. PARKS: Thank you, your Honor.

13 BY MR. PARKS:

14 Q. Mr. Bruno, you understand you're still under oath, correct?

15 A. That's correct.

16 Q. Let's just recap a moment since we've had this little
17 break.

18 We can agree that Vyera had nothing to do with
19 Cerovene losing its original API source, Ipca, right?

20 A. That's correct.

21 Q. That happened as a result of the federal government, right?

22 A. Correct.

23 Q. The supply agreement between Vyera and Fukuzyu was dated
24 almost four months after Fukuzyu declined to supply Cerovene
25 with pyrimethamine API, correct?

LCEKFTC6

Bruno - Cross

1 A. Correct.

2 Q. Fukuzyu first agreed to exclusivity on November 22nd, 2016,
3 which was nearly two months after Fukuzyu declined to supply
4 API to Cerovene, correct?

5 A. Correct.

6 Q. We can agree, can't we, that an agreement dated January of
7 2017 could not possibly have been the reason that Fukuzyu
8 declined to supply a pyrimethamine API to Cerovene in October
9 of 2016, right?

10 A. I'm not sure I can agree with you completely. Agreements
11 like this take time to negotiate, so I don't -- you'd have to
12 go back and look at what was going on internally, and were they
13 taking a longer period of time in that respect. It could have
14 been coincidental. It also could have been that they were
15 under-the-gun negotiations and that's where they were when they
16 made the decision.

17 Q. You don't have any evidence to suggest that -- withdrawn.

18 You didn't identify any evidence in your expert
19 reports or your direct testimony in this case that Vyera
20 insisted that Fukuzyu decline to supply Cerovene with API on
21 October 4th, 5th, 2016, do you?

22 A. I didn't see that.

23 Q. Thank you.

24 Now, the next API supplier that Cerovene turned to
25 after Fukuzyu was RL Fine, correct?

LCEKFTC6

Bruno - Cross

1 A. Correct.

2 Q. Cerovene entered into an exclusive supply agreement with
3 RL Fine on November 16, 2016, correct?

4 A. That's correct.

5 Q. And that was actually before Fukuzyu and Vyera first
6 reached agreement on exclusivity on November 22nd, 2016, wasn't
7 it?

8 A. Would you repeat that?

9 Q. Sure.

10 The date that RL Fine and Cerovene entered into an
11 exclusive supply agreement, November 16, 2016, was actually
12 before Fukuzyu and Vyera first reached agreement on
13 exclusivity, which was November 22nd, 2016, we saw from an
14 email a few moments ago, right?

15 A. Okay, yes.

16 Q. Now, Cerovene has taken the position that its exclusive
17 supply agreement with RL Fine helped it to maintain high
18 quality and avoid drug shortages and protect revenues, hasn't
19 it?

20 A. That's correct.

21 Q. And you recognize that those are, in fact, benefits that
22 can come from an exclusive supply agreement, don't you?

23 A. Those would be benefits, yes.

24 Q. In any event, we can agree that -- withdrawn.

25 Turning back to the exclusive supply agreement between

LCEKFTC6

Bruno - Cross

1 Cerovene and RL Fine, RL Fine ended that supply relationship
2 with Cerovene on November 30, 2017, correct?

3 A. Correct.

4 Q. And we know that because if we look at the affidavit of
5 Mr. Sha, which is GX 8011 --

6 MR. PARKS: And I believe this has already been
7 entered into evidence today. Am I right about that? 8001?

8 Q. Sir, are you familiar with the direct testimony of Mr. Sha?

9 A. I remember reviewing it earlier on.

10 Q. And you cite that affidavit in your direct testimony in
11 this case, don't you?

12 A. Yes.

13 Q. So you reviewed it, right?

14 A. Yes.

15 Q. And if we look at paragraph 39 of Mr. Sha's affidavit --

16 MR. PARKS: I'm going to walk this up.

17 A. I have it in front of me now.

18 Q. Oh, you have it in front of you? Great.

19 Mr. Sha testified under oath that: On or around
20 November 30, 2017, he traveled to India and met with RL Fine
21 executives to finalize the commercial supply of pyrimethamine
22 that Cerovene was expecting from RL Fine. Mr. Mathew, the same
23 senior executive at RL Fine with whom I met at Cerovene's
24 offices earlier in 2017, told me that RL Fine would no longer
25 supply API to Cerovene, right?

LCEKFTC6

Bruno - Cross

1 A. Correct.

2 Q. So we know that RL Fine communicated that message on
3 November 30, 2017, from Mr. Sha's affidavit. We also know that
4 the supply agreement between RL Fine and Vyera was dated
5 December 27th, 2017, correct?

6 A. Correct.

7 Q. So RL Fine ended its supply relationship with Cerovene a
8 full month before RL Fine entered into the supply agreement
9 with Vyera, correct?

10 A. Correct.

11 Q. We can agree, can't we, based on the simple linear time
12 principles, that an exclusivity provision in an agreement that
13 did not come into existence until December 27, 2017, could not
14 possibly have prevented RL Fine from supplying Cerovene with
15 pyrimethamine in November of 2017? Correct?

16 A. Again, I have no evidence to it, but because it's a month
17 apart, I didn't read a document that said that, so I
18 couldn't -- I can't necessarily agree with you. I didn't see
19 anything, I can agree to that, but, again, there could have
20 been negotiations going on, and they could have been close to
21 the end and that would have had the two dates coincide like
22 that.

23 Q. But even in that scenario, the agreement wouldn't have been
24 the preventative factor, right, because the agreement didn't
25 exist yet, correct?

LCEKFTC6

Bruno - Cross

1 A. But, again, if the agreement was under -- if they thought
2 they were close to an agreement, is what I'm trying to say,
3 then that could have triggered the two events.

4 Q. You have just told us you saw no evidence indicating that,
5 right?

6 A. That's my point.

7 Q. Thank you.

8 Speaking of this timing issue, I would like to ask you
9 about Appendix C to your affidavit that was submitted as part
10 of your direct testimony in this case. Let's take a look at
11 that. That's GX 7001. And we have the redacted public version
12 up on the screen here, I believe.

13 MR. PARKS: Now, this has been moved into evidence,
14 and, your Honor, you'll recall that I reserved objections on
15 this and I want to now look into this document a bit with this
16 witness.

17 Q. What, generally speaking, are we looking at here on the
18 screen?

19 A. You're looking at an API development timeline for, I would
20 say, the three main companies, other than Vyera.

21 Q. Now, who prepared this document? Or this exhibit?

22 A. It was prepared by the FTC. I gave them the information,
23 and they actually did the document. They're more attuned to be
24 able do these things than I am. And I just lost the screen.

25 I got it back.

LCEKFTC6

Bruno - Cross

1 Q. Now, if we go to the bottom of page 2 of this document, in
2 the very bottom of that page, there is an italicized sentence
3 that states: The timeline was prepared by attorneys and
4 paralegals at the FTC, subject to my review and approval?

5 A. Correct.

6 Q. My question for you, sir, is: Did you review it, and did
7 you approve it?

8 A. Yes, I did.

9 Q. And this was created for use as a visual aid, right?

10 A. That's correct.

11 Q. Now, if we look back to the timeline itself - I want to
12 focus on the bar that says "Cerovene" at the left - there is an
13 entry in that bar that says: Item 5 RL Fine ends relationship
14 December 2017.

15 Do you see that?

16 A. Yes, I do.

17 Q. Do you see directly above that there is an entry that says:
18 RL Fine December 2017? Do you see that?

19 A. That's correct.

20 Q. And that's to indicate when Vyera's exclusive contract with
21 RL Fine happened, right?

22 A. That's correct.

23 Q. Now, this document we're looking at here, your
24 demonstrative, indicates that RL Fine's entry into an exclusive
25 agreement with Vyera was simultaneous with when RL Fine ended

LCEKFTC6

Bruno - Cross

1 its supplier relationship with Cerovene, doesn't it?

2 A. That's correct.

3 Q. But the fact is, those events were not simultaneous, were
4 they?

5 A. The RL Fine agreement was December 2017 and the ending the
6 relationship was December 2017.

7 Q. Sir, we just looked at an email from Mr. Sha, I believe,
8 indicating that he traveled to RL Fine in India and had the
9 discussion with them on November 30th, 2017. That was
10 paragraph 39 of the Sha affidavit.

11 Do you remember that from a few moments ago?

12 A. Yes, I do.

13 Q. So December 2017, on your exhibit, is wrong, isn't it?

14 A. They had the visit on November 30th. I wouldn't consider
15 this to be necessarily wrong, because the agreement was signed
16 on or about, or it was preparing to be signed, but it was
17 effective in December, and November 30th is the end of
18 November, it's the end of the month going into December.

19 Q. So November 30th is actually December; is that your
20 testimony?

21 A. No, that is not my testimony. All I'm saying is that it's
22 very possible -- as I'm trying to say, the dates almost
23 coincide exactly, and to be notified they could have been
24 prepared to sign the agreement, and from that point on, it
25 would have been, one event triggered the other event.

LCEKFTC6

Bruno - Cross

1 Q. You have no information, you've already told us, that one
2 event triggered the other event, right?

3 A. Yes.

4 Q. Okay.

5 But this exhibit makes it look like these two things
6 were simultaneous when, in fact, there was a month between
7 them, right?

8 A. You're assuming that December is the last day of the month
9 and November was the last day of the month.

10 Q. Sir, I'm not assuming anything. We've already gone through
11 these documents, and you've testified that the date of the
12 RL Fine-Vyera agreement was December 27th, 2017, and we know
13 from Mr. Sha's affidavit that the date that RL Fine declined to
14 supply pyrimethamine was November 30th, 2017, and, by my count,
15 November 30th is almost a month from December 27th, right?

16 A. Correct.

17 Q. So your document, that makes these events look
18 simultaneous, is inaccurate, isn't it?

19 A. Again, I'm saying that while these documents -- and I
20 consider them to be accurate in the sense that it ended on --
21 if you want to say the November 30th should have been the date
22 instead of December, ending the relationship, I will give you
23 that. But I would also -- based on looking at the timelines
24 and the approximation of the timelines, one event preceded the
25 other, where normally I would have said it would have been the

LCEKFTC6

Bruno - Cross

1 other way around.

2 Q. Okay.

3 MR. PARKS: I'm going to move to strike "the normally
4 I would have said it would be the other way around" because
5 that's not an expert opinion that's been in any of his reports
6 or in his direct exam, and I don't know that he has any basis
7 to talk about how frequently or infrequently these events occur
8 and how they coincide with one another, your Honor.

9 THE COURT: Overruled.

10 MR. PARKS: Your Honor, I would also raise an
11 objection to this demonstrative as inaccurate and move that it
12 be stricken.

13 THE COURT: That's denied. But I get your point, that
14 the December 2017 should have said November, and that the
15 contract with Vyera wasn't executed until December 27th.

16 So I get that point, counsel, so I thank you.

17 MR. PARKS: Okay. We will move on. Thank you, your
18 Honor.

19 BY MR. PARKS:

20 Q. Let's take a look at -- let's discuss Vyera's negotiating
21 leverage and your testimony about missing risk management terms
22 in that agreement between Vyera and RL Fine.

23 Your opinion is that the Fukuzyu contract -- I'm
24 sorry, let's talk about the Fukuzyu contract first.

25 Your opinion is that the Fukuzyu contract -- that is,

LCEKFTC6

Bruno - Cross

1 Fukuzyu and Vyera - did not mitigate supply risk, correct?

2 A. That's correct.

3 Q. And in your direct testimony, you identified various
4 provisions that you said would have reduced supply risk for
5 Vyera, right?

6 A. That's correct.

7 Q. You discussed the concept of a requirements provision,
8 right?

9 A. That's correct.

10 Q. And you discussed the concept of a capacity reservation
11 clause, right?

12 A. That's correct.

13 Q. Sir, Fukuzyu would have had to agree to the inclusion of
14 those provisions in the agreement with Vyera before they could
15 go into the agreement, right?

16 A. If it's not written in the agreement, then it's not part of
17 the agreement.

18 Q. But in order for the parties to reach agreement, both
19 parties have to agree to put those terms in the agreement,
20 don't they?

21 A. They need to have those terms in the agreement, yes.

22 Q. You don't identify any evidence in your reports or in your
23 direct testimony, that Fukuzyu actually was willing to agree to
24 either of those types of provisions in this agreement with
25 Vyera, do you?

LCEKFTC6

Bruno - Cross

1 A. Unless it's written in the agreement -- and, again, these
2 are just several points, so they might have covered one, but I
3 was just trying to give examples of different ways of which
4 this is handled.

5 Q. Sir, my question was: You don't have any evidence that
6 Fukuzyu actually offered to agree to those provisions you said
7 should have been in this agreement? You don't have any such
8 evidence, do you?

9 A. Again, unless they're in the agreement, then it's not part
10 of the agreement.

11 Q. I'm not asking what's in the agreement. I'm asking whether
12 Fukuzyu offered to put them in the agreement.

13 A. I saw no evidence that they either agreed to or didn't
14 agree to.

15 Q. You don't know whether Fukuzyu offered to put in those
16 terms that you say should have been in there to mitigate supply
17 risk or not, do you?

18 A. I do not.

19 Q. And if Fukuzyu said no to a request to add those types of
20 supply terms, you certainly can't fault Vyera for that, can
21 you?

22 A. Again, if Vyera is negotiating the contract, and if I'm
23 negotiating the contract and these are my, I would say,
24 important points, then it's up to you to get them in the
25 contract.

LCEKFTC6

Bruno - Cross

1 Q. To quote the great philosopher Mick Jagger, you can't
2 always get what you want, right?

3 A. But this is part of negotiation, and if this is your number
4 one product that's your greatest part of your revenues, you
5 need to pick the ones that are most important, and one of the
6 most important ones for Vyera is to have a constant and
7 continuous supply of API, and that's mitigating the risk, and
8 what did you do to mitigate the risk?

9 Q. But we can agree, either way, that Vyera couldn't just
10 dictate to Fukuzyu what Fukuzyu was going to agree to, could
11 it?

12 A. It's part of the negotiations of the contract.

13 Q. So the answer is, they couldn't just dictate to Fukuzyu,
14 could they?

15 A. But they could have put their terms in place that they
16 wanted and found ways to control their supply.

17 Q. I take it we're in agreement that Vyera could not dictate
18 to Fukuzyu what would go in the contract?

19 A. I don't agree with you completely. If I'm the one
20 purchasing it, then it's up to you to negotiate it, and, in
21 that respect, you should be able to dictate some of the terms
22 or come to a compromise between the terms.

23 Q. As between Fukuzyu and Vyera, Fukuzyu had more bargaining
24 power in the negotiation over the terms of the API supply
25 agreement, didn't it?

LCEKFTC6

Bruno - Cross

1 A. I don't agree that either side has greater bargaining
2 powers. At least in my experience of contracts, we don't
3 approach the contract from a "who's got the upper hand," so to
4 speak. This is supposed to be a mutually agreeable event that
5 you've worked on in order to do it. So each side is going to
6 have to give a little.

7 Q. So bargaining power doesn't matter in pharmaceutical API
8 supply agreements; is that your testimony?

9 A. I didn't say that.

10 Q. Okay.

11 A. I said it's part of the negotiations.

12 Q. Now, sir, you stated in your direct testimony that Vyera's
13 pyrimethamine purchases from Fukuzyu were small when compared
14 to the amount of pyrimethamine purchased by GSK from Fukuzyu,
15 right?

16 A. That's correct.

17 Q. In your direct testimony, you pointed out that Vyera faced
18 a risk that Fukuzyu might supply its larger customer, GSK,
19 first before Vyera, and that presented a risk to Vyera that its
20 supply of pyrimethamine might be interrupted, correct?

21 A. That's why I needed to have some kind of control over being
22 able to continue my supply and guarantee I could get it.

23 Q. You would acknowledge, as a result of the relatively small
24 amount of API being purchased by Vyera, that it was not in a
25 particularly strong bargaining position with respect to

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Bruno - Cross

1 Fukuzyu, wouldn't you?

2 A. When you're talking about the bargaining power, yes, they
3 were a small potential client of Fukuzyu -- of Fukuzyu, so they
4 didn't have the buying power, for sure, that the GSK would have
5 had.

6 Q. In your direct testimony affidavit, you discuss GSK's API
7 supply agreement with Fukuzyu, don't you?

8 A. Yes, I do.

9 Q. And you note that GSK's supply agreement with Fukuzyu
10 contains both a requirements provision and a capacity
11 reservation clause, right?

12 A. That's correct.

13 Q. Would you agree that GSK purchases large quantities of
14 pyrimethamine from Fukuzyu?

15 A. That's correct.

16 Q. Would you agree that a larger, more well-known company,
17 like GSK, is able to use its size as leverage to secure better
18 treatment from an API supplier as compared to a small buyer,
19 like Vyera?

20 A. I would expect that.

21 Q. In fact, in your direct testimony, you wrote, "In my
22 experience, an API supplier is more likely to supply its larger
23 customer over a smaller one, particularly a well-known company
24 like GSK, that could sponsor additional business on other
25 APIs," right?

LCEKFTC6

Bruno - Cross

1 A. This is why I emphasized in the need for risk mitigation
2 for the supply of the API.

3 Q. And in your critique of Vyera for failing to get deal terms
4 from Fukuzyu like those GSK was able to secure, you don't
5 mention the massive difference in negotiating leverage between
6 Vyera and GSK, do you?

7 A. I was looking at the point that Vyera needed to have in
8 place some kind of mechanism to guarantee that it would not
9 have an interrupted supply of API; it had, in effect, no part
10 with regards to the bargaining, it should have been up to
11 Vyera, who's -- again, it's their primary product. They should
12 have been responsible for developing some mechanism that both
13 Fukuzyu and they could agree to.

14 Q. Back to my question: In your critique of Vyera for failing
15 to get deal terms from Fukuzyu like those GSK received, you
16 don't mention the massive difference in negotiating leverage
17 between Vyera and GSK, do you?

18 A. I had already mentioned it into the document, so I already
19 documented this was one of the issues that were there. Again,
20 Vyera has to find a way -- and I listed other ways -- to mitigate
21 the risk of supply.

22 Q. In your direct testimony, you note that the requirements in
23 capacity reservation provisions in GSK's supply agreement with
24 Fukuzyu require Fukuzyu -- and I'm quoting now -- to ensure that
25 it meets GSK's requirements first, unquote, direct testimony

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1 paragraph 23.

2 Can we agree that it would not have been possible for
3 Fukuzyu to also make such a commitment to Vyera because that
4 commitment to Vyera would be inconsistent with its preexisting
5 commitment to GSK?

6 A. I think two things, when I look at it:

7 For one, if that is the question, because GSK was
8 supplying them with forecasts, they knew how much they needed
9 to supply for GSK, so in their production planning, they could
10 have just equally had -- made sure that there was enough issue
11 there for that, or, again, Vyera could have used another method
12 to secure the supply of the raw material, like buying extra
13 material and some of the other techniques that I also mentioned
14 in my report.

15 Q. Sir, if Fukuzyu has promised GSK that GSK will be first, as
16 you've told us in your direct testimony, Fukuzyu can't also
17 promise Vyera that Vyera will be first, can it?

18 A. I'm not saying that one would be first and one would be
19 second. I think the point is, if you know I need a hundred
20 kilos for one and I've guaranteed them that 100, I should be
21 able to, again, go into my planning -- and that's what a CMO
22 will do, and they'll probably make additional quantity.

23 And I worked for a number of CMOs. This is what we
24 did all the time. We negotiated -- or we planned for those
25 upswings; could be 20, 30, 40 percent. So I could have in my

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1 planning made sure that I had it.

2 So I don't consider it to be inconsistent because they
3 were guaranteeing one versus the other. It's a question of
4 planning, and it's a question of finding ways to mitigate the
5 risk.

6 Q. Sir, there can only be one first, right?

7 A. I'm not disagreeing, first versus second. What I'm saying
8 is, with your planning, if I need a hundred, I make 120; if I
9 need 200, I make 250. There's nothing unusual about that in
10 the CMO. We never make the exact amount of material.

11 Q. As you've told us, under the agreement between GSK and
12 Fukuzyu, GSK was first, right?

13 MR. PERLMAN: Objection, your Honor. I'm not sure
14 that this is in Mr. Bruno's report. It's certainly not in
15 paragraph 23.

16 So would you direct us to the right paragraph?

17 MR. PARKS: Sure. I will freely admit my own notes
18 might be wrong, but that is what my notes tell me is in
19 paragraph 23.

20 THE COURT: Yes, I think paragraph 23 may be a
21 miscite, if you mean paragraph 23 of the direct testimony.

22 MR. PARKS: Yes, it appears to be a miscite. And I
23 will see if I can correct the record on that at my first
24 opportunity.

25 THE COURT: Okay.

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1 MR. PARKS: But I have it in quotes in my notes, which
2 helps me believe I didn't invent it out of thin air.

3 THE COURT: Okay, good.

4 You know, we have perhaps two minutes to go until
5 5:00 o'clock, but shall we say this is a good time for a break,
6 for the day? Or, counsel, did you have a question or two you
7 wanted to follow through on this topic?

8 MR. PARKS: I have a pretty limited amount. We can
9 resume tomorrow morning, but I probably have no more than ten
10 minutes, possibly even only five, to complete my exam of this
11 witness. So it's the Court's preference. I'm happy to stop,
12 here, or go for a couple questions, or happy to go for five or
13 ten more minutes and finish.

14 THE COURT: No, we're going to stop promptly at 5:00.
15 So the question was a minute or two more.

16 MR. PARKS: Okay, this is a good stopping point. I'm
17 actually at the end of a section and ready to move into
18 another.

19 THE COURT: Okay, good.

20 Mr. Bruno, you can step down. Thank you.

21 (Witness temporarily excused)

22 (Pause)

23 THE COURT: Counsel, I'm going to confirm this in the
24 morning because I have some backup record keepers here, but it
25 looks to me like the plaintiff has used three hours and

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1 fourteen minutes and the defendant one hour and forty-seven
2 minutes, so it should be roughly that amount, and I'll confirm
3 in the morning.

4 We're going to start again at 9:30. I think we're a
5 little bit behind where we expected to be today, if I remember
6 our witness list.

7 Expectations?

8 MR. MEIER: That's correct, your Honor.

9 THE COURT: Okay, good.

10 So thank you for sending an email last night with your
11 expectations for tomorrow, but I am assuming that we're going
12 to complete the witnesses you plan for today first and then go
13 for the witnesses you would plan to do tomorrow; is that right?

14 MR. MEIER: That is correct, your Honor.

15 THE COURT: Okay.

16 If you change your minds, that's just fine, too. I
17 know you have a lot to juggle in terms of witness plans, and
18 you'll accommodate each other's needs and your witnesses'
19 needs, but just shoot us an email - again, that's very kind -
20 to let us know what you expect.

21 I think that's it. Have a good night, everyone. And
22 I'll see you at 9:30, hopefully, with new equipment at the
23 witness stand.

24 (Adjourned to December 15, 2021 at 9:30 a.m.)

25 * * *

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